



# Recombinant Mouse cGMP-dependent protein kinase 2 (Prkg2)

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| <b>Product Code</b>      | CSB-YP733785MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Abbreviation</b>      | Prkg2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Uniprot No.</b>       | Q61410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sequence</b>          | GNGSVKPKH AKHPDGHSGN LSNEALRSKV LELERELRRK DAELQEREYH<br>LKELREQLAK QTVAIAELTE ELQSKCIQLN KLQDVIHVQG GSPLQASPDK<br>VPLDVHRKTS GLVSLHSRRG AKAGVSAEPT TRTYDLNKPP EFSFEKARVR<br>KDSSEKKLIT DALNKNQFLK RLDPQQIKDM VECMYGEKLS TGSYVIKQGE<br>PGNHIFVLAE GRLEVFQGEK LLSSIPMWTT FGELAILYNC TRTASVKAIT<br>NVKTWALDRE VFQNIMRRTA QARDEEYRNF LRSVSLLKNL PEDKLTKIID<br>CLEVEYYDKG DYIIREGEEG STFFILAKGK VKVTQSTEGH DQPQLIKTLQ<br>KGEYFGEKAL ISDDVRSANI IAEENDVACL VIDRETFNQT VGTFDELQKY<br>LEGYVATLNR DDEKRHAKRS MSSWKLSKAL SLEMIQLKEK VARFSSTSPF<br>QNLEIIATLG VGGFGRVELV KVKNENVAFA MKCIRKKHIV DTKQQEHVYS<br>EKRILEELCS PFIVKLYRTE KDNKYVYMLL EACLGELWS ILDRGSFDE<br>PTSKFCVACV TEAFDYLHLL GIYRDLKPE NLILDADGYL KLVDFGFAKK<br>IGSGQKTWTF CGTPEYVAPE VILNKGHDFS VDFWSLGILV YELLTGNPPF<br>SGIDQMMTYN LILKGIEKMD FPRKITRPE DLIRRLCRQN PTERLGNLKN<br>GINDIKKHRW LNGFNWGLK ARSLPSPLRR ELSGPIDHSY FDKYPEKGV<br>PPDEMSGWDK DF |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Target Names</b>      | Prkg2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: cGMP-dependent protein kinase 2 Short name= cGK 2<br>Short name= cGK2 EC= 2.7.11.12 Alternative name(s): cGMP-dependent<br>protein kinase II Short name= cGKII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 2-762                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.