



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

<b>Product Code</b>	CSB-MP720680RA
<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. 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>	Q64595
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	GNGSVKPKH SKHPDGQSGN LSNEALRSKV AELEREVKRK DAELQEREYH LKELREQLAK QTVAIAELTE ELQSKCIQLN KLQDVIHVQG GSPLQASPK VPLDVHRKTS GLVSLHSRRG AKAGVSAEPT SRTYDLNKPP EFSFEKARVR KDSSEKKLIT DALNKNQFLK RLDPPQIKDM VECMYGRNYQ QGSYIVKQGE PGNHIFVLAE GRLEVFQGEK LLSSIPMWTTFGELAILYNC TRTASVKAIT NVKTWALDRE VFQNIMRRTA QARDEEYRNF LRSVSLKLN PEDKLTKIID CLEVEYYDKG DYIIREGEEG STFFILAKGK VKVTQSTEGH DQPQLIKTLQ KGEYFGEKAL ISDDVRSANI IAEENDVACL VIDRETFNQT VGTFDELQKY LEGYVATLNR DDEKRHAKRS MSSWKLSKAL SLEMIQLKEK VARFSSTSPF QNLEIIATLG VGGFGRVELV KVKNENIAFA MKCIRKKHIV DTKQQEHVYS EKRILEELCS PFIVKLYRTE KDNKYVYMLL EACLGELWS ILRDRGSFDE PTSKFCVACV TEAFDYLHRL GIIYRDLKPE NLILDADGYL KLVDFGFAKK IGSGQKTWTF CGTPEYVAPE VILNKGHDFS VDFWSLGILV YELLTGNPPF SGIDQMMTYN LILKGIEKMD FPRKITRPE DLIRRLCRQN PTERLGNLKN GINDIKKRW LNGFNWEGLK ARSLPSPLRR ELSGPIDHSY FDKYPPEKGV PPDEMSGWDK DF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Prkg2
<b>Protein Names</b>	Recommended name: cGMP-dependent protein kinase 2 Short name= cGK 2 Short name= cGK2 EC= 2.7.11.12 Alternative name(s): cGMP-dependent 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.