



# Recombinant Mouse cGMP-specific 3',5'-cyclic phosphodiesterase (Pde5a), partial

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| <b>Product Code</b>      | CSB-YP807017MO   |
| <b>Abbreviation</b>      | Pde5a  |
| <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>       | Q8CG03   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MERAGPNSVR SQQQRDPDWV EAWLDDHRDF TFSYFIRKAT<br>RDMVNAWFSE RVHNIPVCKE GIRAHTESCS CSLQQSPHAD NTTPGAPARK<br>ISASEFDRPL RPIVVKDSEG TVSFLSDSGK KEQMPLTPPR FDSDEGDQCS<br>RLLELVKDIS SHLDVTALCH KIFLHIHGLI SADRYSLFLV CEDSSKDKFL<br>ISRLFDVAEG STLEEASNNC IRLEWNGKIV GHVAAFGEPL NIKDAYEDPR<br>FNAEVDQITG YKTQSILCMP IKNHREEVVG VAQAINKKSG NGGTFTEKDE<br>KDFAAYLAFG GIVLHNAQLY ETSLLENKRN QVLLDLASLI FEEQQSLEVI<br>LKKIAATIIS FMQVQKCTIF IVDEDCPDSF SRVFHMECEE VGKPSDPLTR<br>EQDANKINYM YAQYVKNTME PLNIPDVTKD KRFPWTNENM GHVNTPCIGS<br>LLCTPIKNGK KNKVIGVCQL VNKMEENTGK IKAFNQNDEQ FLEAFVIFCG<br>LGIQNTQMYE AVERAMAKQM VTLEVLSYHA SAAEEETREL QALSAAVVPS<br>AQTLKITDFS FPDFELSDLE TALCTIRMFT DLNLVQNFQM KHEVLCRWIL<br>SVKKNYRKNV AYHNWRHAFN TAQCMFAALK AGKIQNKLTDL LTLALLIAA<br>LSHDLDRGV NNSYIQRSEH PLAQLYCHSI MEHHHFDQCL MILNSPGNQI<br>LSGLSIDEYK TTLKIKQAI LATDLALYIK RRGEFFELIR KNQFSFEDPL<br>QKELFLAMLM TACDLSAITK PWPIQQRIAE LVAAEFFDQG DRERKELNME<br>PADLMNREKK NKIPSMQVGF IDAICLQLYE ALTHVSEDCL PLLDGCRKNR<br>QKWQALAEQQ EKMLLNGESS QGKRD |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | Pde5a  |
| <b>Protein Names</b>     | Recommended name: cGMP-specific 3',5'-cyclic phosphodiesterase EC= 3.1.4.35<br>Alternative name(s): cGMP-binding cGMP-specific phosphodiesterase<br>Short name= CGB-PDE  |
| <b>Expression Region</b> | 1-865  |
| <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.  |

**Protein Length**

Partial

**Reconstitution**

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.