



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

<b>Product Code</b>	CSB-YP523851RA
<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>	O54735
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLPFGDKTRD MVNAWFSERV HNIPVCKEGI RAHTESCSCS LPQSPHADNT TPGAPARKIS ASEFDRPLRP IVVKDSEGTV SFLSDSGKKE QMPLTSPRFD SDEGDQCSRL LELVKDISSH LDVTALCHKI FLHIHGLISA DRYSLFLVCE DSSKDKFLVS RLFDAEGST LEEASNNCIR LEWNKGIVGH VAAFGEPLNI KDAYEDPRFN AEVDQITGYK TQSILCMPIK NHREEVVGVA QAINKKSGNG GTFTEKDEKD FAAYLAFCGI VLHNAQLYET SLENKRNQV LLDLASLIFE EQQSLEVILK KIAATIISFM QVQKCTIFIV DEDCPDSFSR VFQMEWEEVG KSSEPLTREH DANKINYMYA QYVKNTMEPL NIPDVTKDNR FPWTNENMGH INTHCIRSLL CTPIKNGKKN KVIGVCQLVN KMEEKTGKIK AFNQNDEQFL EAFVIFCGLG IQNTQMYEAV ERAMAKQMT LEVLSYHASA AEEETRELQA LAAAVVPSAQ TLKITDFSFS DFELSDLETA LCTIRMFTDL NLVQNFQMKH EVLCRWILSV KKNYRKNVAY HNWRHAFNTA QCMFAALKAG KIQNKLTDL TLALLIAALS HDLDHRGVNN SYIQRSEHPL AQLYCHSTME HHHFDQCLMV LNSPGNQILS GLSIEEYKTT LKIIKQAILA TDLALYIKRR GEFFELIRKN EFSFEDPLQK ELFLAMLMTA CDLSAITKPW PIQQRIAEV AAEFFDQGDR ERKELNMEPA DLMNREKKNK IPSMQVGFID AICLQLYEAL THVSEDCLPL LDGCRKNRQK WQALADQQEK TLLNGESGQA KRD
<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 Alternative name(s): cGMP-binding cGMP-specific phosphodiesterase Short name= CGB-PDE
<b>Expression Region</b>	1-833
<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>	Partial
<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.