



# Recombinant Human cGMP-dependent protein kinase 1 (PRKG1)

<b>Product Code</b>	CSB-EP619797HU
<b>Abbreviation</b>	PRKG1
<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>	Q13976
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SELEEDFAK ILMLKEERIK ELEKRLSEKE EEIQELKRKL HKCQSVLPVP STHIGPRTRR AQQISAEPQT YRSFHDLRQA FRKFTKSERS KDLIKEAILD NDFMKNLELS QIQEIVDCMY PVEYGKDSCI IKEGDVGSLSV YVMEDGKVEV TKEGVKLCTM GPGKVFGELA ILYNCTRTAT VKTLVNVKLW AIDRQCFQTI MMRTGLIKHT EYMEFLKSVP TFQSLPEEIL SKLADVLEET HYENGEYIIR QGARGDTFFI ISKGTNVNTR EDSPSEDPVF LRTLKGKDWDF GEKALQGEDV RTANVIAAEA VTCLVIDRDS FKHLIGGLDD VSNKAYEDAE AKAKYEAEEA FFANLKLSDF NIIDTLGVGG FGRVELVQLK SEESKTFAMK ILKKRHIVDT RQQEHIRSEK QIMQGAHSDF IVRLYRTFKD SKYLYMLMEA CLGGELWITL RDRGSFEDST TRFYTACVVE AFAYLHSGKI IYRDLKPENL ILDHRYAKL VDFGFAKKIG FGKKTWTF CG TPEYVAPEII LNKGHDISAD YWSLGILMYE LLTGSPPFSG PDPMKTYNII LRGIDMIEFP KKIAKNAANL IKKLCRDNPS ERLGNLKNV KDIQKHKWF E GFNWEGLRKG TLTPPIIPSV ASPTDTSNFD SFPEDNDEPP PDDNSGWDID F
<b>Source</b>	E.coli
<b>Target Names</b>	PRKG1
<b>Protein Names</b>	Recommended name: cGMP-dependent protein kinase 1 Short name= cGK 1 Short name= cGK1 EC= 2.7.11.12 Alternative name(s): cGMP-dependent protein kinase I Short name= cGKI
<b>Expression Region</b>	2-671
<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.

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