



Recombinant Rat 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1 (Plcb1), partial

Product Code	CSB-EP018126RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P10687
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	<p>MAGAQPGVHA LQLKPVCVSD SLKKGTKFVK WDDDSTIVTP IILRTDPQGF FFYWTDQNKE TELLDLSLVK DARCGKHAKA PKDPKLELL DVGNIHLEQ RMITVVYGPD LVNISHLNLV AFQEEVAKEW TNEVFSLATN LLAQNMSRDA FLEKAYTKLK LQVTPEGRIP LKNIYRLFSA DRKRVETALE ACSLPSSRND SIPQEDFTP VYRVFLNLC PRPEIDNIFS EFGAKSKPYL TVDQMDFIN LKQRDPRLNE ILYPPLKQEQ VQVLIKEYEP NSSLAKKGQM SVDGFMRYLS GEENGVSPE KLDLNEEDMSQ PLSHYFINSS HNTYLTAGQL AGNSSVEMYR QVLLSGCRCV ELDCWKGRTA EEEPVITHGF TMTTEISFKE VIEAIAECF KTSPFPILLS FENHVDSPKQ QAKMAEYCR LIFGDALLMEP LEKYPLESGV PLPSPMDLMY KILVKNKKKS HKSSESGGKK KLSEQASNTY SDSSSVFEPS SPGAGEADTE SDDDDDDDDC KKSSMDEGTA GSEAMATEEM SNLVNYIQPV KFESFETSKK RNKSFEMSSF VETKGLEQLT KSPVEFVEYN KMQLSRIYPK GTRVDSSNYM PQLFWNAGCQ MVALNFQTV D LAMQINMGMY EYNGKSGYRL KPEFMRRPDK HFDPFTEGIV DGIVANTLSV KIISGQFLSD KKVGTYYEVD MFGLPVDTRR KAFKTKTSQG NAVNPVWEEE PIVFKKVVLP SLACLRIAAY EEGGKFIGHR ILPVQAIRPG YHYICLRNER NQPLMLPAVF VYIEVKDYVP DTYADVIEAL SNPIRYVNL M EGRAKQLAAL TLEDEEEVKK EADPGETSSE APSETRTPA ENGVNHTATL APKPPSQAPH SQPAPGSVKA PAKTEDLIQS VLTEVEAQT I EELKQQKSFV KLQKKHYKEM KDLVKRHHKK TTELIKEHTT KYNEIQNDYL RRRAALEKSA KKDSKKKSEP SSPDHGSSAI EQDLAALDAE MTQKLIDLKD KQQQQLLNL R QEQQYSEKYQ KREHIKLLIQ KLTDVAEECQ NNQLKKLKEI CEKEKKELKK KMDKKRQEKI TEAKSKDKSQ MEEKTEMIR SYIQEVVQYI KRLEEAQSKR QEKLVEKHKE IRQQILDEKP KLQMELEQEY QDKFKRLPLE ILEFVQEAMK GKVSEDSNHG SAPPPLASDP AKVNLKSPSS EEVQGENAGR EFDTP L</p>
Source	E.coli
Target Names	Plcb1
Protein Names	<p>Recommended name: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1 EC= 3.1.4.11 Alternative name(s): PLC-154 Phosphoinositide phospholipase C-beta-1 Phospholipase C-I Short name= PLC- I Phospholipase C-beta</p>



Expression Region	1-1216
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	This protein catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of many extracellular signals. This gene is activated by two G-protein alpha subunits, alpha-q and alpha-11. Two transcript variants encoding different isoforms have been found for this gene.
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.