



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

<b>Product Code</b>	CSB-EP018126RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P10687
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<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  PLPSPMDL MY KILVKNKKKS HKSSEGSGKK 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 EGGKFIGHR ILPVQAIRPG YHYICLRNER NQPLMLPAVF  VYIEVKDYVP DTYADVIEAL SNPIRYVNL M EQRAKQLAAL 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>
<b>Source</b>	E.coli
<b>Target Names</b>	Plcb1
<b>Protein Names</b>	<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>



<b>Expression Region</b>	1-1216
<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>Target Details</b>	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.
<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.
<b>Shelf Life</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.