



Recombinant Mouse 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3 (Plcd3)

Product Code	CSB-MP818337MO
Abbreviation	Plcd3
Storage	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.
Uniprot No.	Q8K2J0
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MLCGGWKRSR RSPEESRVSA QVAAPLAFPP SPASSDSSTK RPGLRALKKM GLTEDEDVQA MLRGSRLKI RSRTWHKERL YRLQEDGLSV WFQRRIPRAA SKHIFVQHI EAVREGHQSE GLRRFGGAFAPACCLTIAFK GRRKNLDLAA PTAEEAQRWV RGLAKLRARL DAMSQRERLD HWIHSYLHRA DSDQDSKMSF KEIKSLLRMV NVDMMNDMYAY RLFKECDHSN NERLEGAEIE AFLRRLKRP ELEEIFRRYS GEDRVLSASE LLEFLEDQGE DGATLACAQQ LIQTYELNET AKQHELMTLD GFMMYLLSPE GAALNVAHTC VFQDMGQPLA HYFISSSHNT YLTDSQIGGT SSTEAYIRAF AQGCRCVELD CWEGPGGEPV IYHGHTLTSK ILFRDVIQAV RDHAFTSSPY PVILSLENHC GLEQQAVMAR HLRSILGDML VTQALDSQNP EELPSPEQLK GRILVKGKKL PAARSEDGRI LSDREEEEE EEEEEEALEA AEQRSRAKQI SPELSALAVY CCATRLRTLDPSPGPPQSCT VGSLSERKAR KFTREAGTSF VRHNTQQLTR VYPLGLRMNS ANYNPQEMWN SGCQLVALNF QTPGYEMDLN TGRFLINGQC GYVLKPAYLR QLNTTFDPEC PGPPRTTLAI QVLTAQQLPK LNAEKPSIV DPLVRVEIHG VPEDCAQKET DYVLNNGFNP CWEQTLQFRL RAPELVVRF VVEDYDTTSP NDFVGQSTLP LSSLKQGYRH IHLLSKDGAS LAPATLFVHI RIQNS
Source	Mammalian cell
Target Names	Plcd3
Protein Names	Recommended name: 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3 EC= 3.1.4.11 Alternative name(s): Phosphoinositide phospholipase C-delta-3 Phospholipase C-delta-3 Short name= PLC-delta-3
Expression Region	1-785
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	full length protein
Target Details	This gene encodes a member of the phospholipase C family, which catalyze the



hydrolysis of phosphatidylinositol 4,5-bisphosphate to generate the second messengers diacylglycerol and inositol 1,4,5-trisphosphate (IP3). Diacylglycerol and IP3 mediate a variety of cellular responses to extracellular stimuli by inducing protein kinase C and increasing cytosolic Ca(2+) concentrations. This enzyme localizes to the plasma membrane and requires calcium for activation. Its activity is inhibited by spermine, sphingosine, and several phospholipids.

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

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