

Recombinant Rat Plcd4 protein, His & T7-tagged

Cat. No. Plcd4-8270R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Plcd4 aa. (Met1~Asp250 (Accession # Q62711)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Asp250
Description	Mediates signal transduction by generating two second messenger molecules, inositol 1,4,5-trisphosphate (IP) and diacylglycerol, from phosphatidylinositol 4,5-bisphosphate (PIP).
Form	<1.0EU per 1µg (determined by the LAL method)
Molecular Mass	Predicted Molecular Mass: 33.4kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.0.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

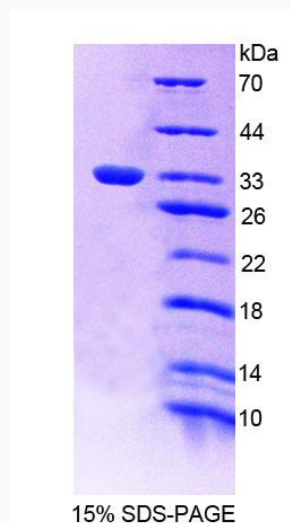
Gene Name	Plcd4 phospholipase C, delta 4 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Plcd4
Synonyms	Plcd4; phospholipase C, delta 4; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-4; PLC-delta-4; phosphoinositide phospholipase C-delta-4
Gene ID	140693
mRNA Refseq	NM_080688.1
Protein Refseq	NP_542419.1
UniProt ID	Q62711

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SDS-PAGE



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