Recombinant Human PLCH1 protein, His & T7-tagged

Cat. No. PLCH1-1023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLCH1 aa. (Met1~Ala237 (Accession # Q4KWH8) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala237
Description	PLCH1 is a member of the PLC-eta family of the phosphoinositide-specific phospholipase C (PLC) superfamily of enzymes that cleave phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) to generate second messengers inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG) (Hwang et al., 2005 [PubMed 15702972]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 6.7.

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Applications	SDS-PAGE; WB; ELISA; IP.
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	PLCH1 phospholipase C eta 1 [Homo sapiens (human)]
Official Symbol	PLCH1
Synonyms	PLCH1; phospholipase C eta 1; PLCL3; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1; PLC eta 1; PLC-L3; phosphoinositide phospholipase C-eta-1; phospholipase C-eta1a; phospholipase C-eta1b; phospholipase C-like 3; phospholipase C-like protein 3
Gene ID	23007
mRNA Refseq	NM_001130960.1

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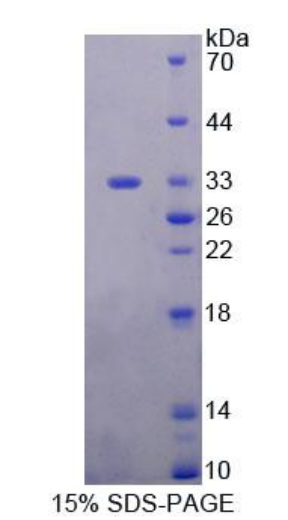
Protein Refseq	NP_001124432.1
UniProt ID	Q4KWH8
SDS-PAGE	

15% SDS-PAGE

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