Recombinant Human PLCH2 protein, His & T7-tagged

Cat. No. PLCH2-1022H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLCH2 aa. (Met1~His257 (Accession # O75038) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~His257
Description	PLCH2 is a member of the PLC-eta family of the phosphoinositide-specific phospholipase C (PLC) superfamily of enzymes that cleave PtdIns(4,5) P2 to generate second messengers inositol 1,4,5-trisphosphate and diacylglycerol (Zhou et al., 2005 [PubMed 16107206]).
Form	Freeze-dried powder
Molecular Mass	30kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.1.
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	PLCH2 phospholipase C eta 2 [Homo sapiens (human)]
Official Symbol	PLCH2
Synonyms	PLCH2; phospholipase C eta 2; PLCL4; PLC-L4; PLCeta2; PLC-eta2; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2; phosphoinositide phospholipase C-eta-2; phosphoinositide phospholipase C-like 4; phospholipase C-eta2; phospholipase C-like 4; phospholipase C-like protein 4
Gene ID	9651
mRNA Refseq	NM_001303012.1
Protein Refseq	NP_001289941.1

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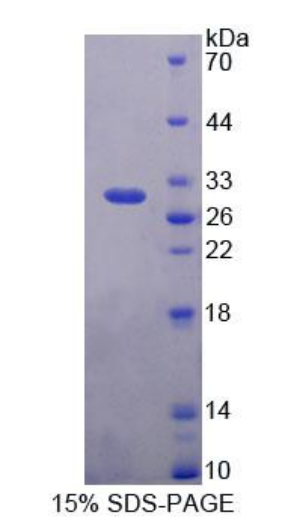
UniProt ID	O75038
SDS-PAGE	

15% SDS-PAGE

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