

Recombinant Human PLCB3, His-tagged

Cat. No. PLCB3-27922TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1021-1234 of Human Phospholipase C beta 3 with an N terminal His tag. Predicted MWt: 26 kDa;
Species	Human
Source	E.coli
ProteinLength	1021-1234 a.a.
Description	This gene encodes a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the secondary messengers diacylglycerol and inositol 1,4,5-triphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 165 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	TKEGEDEAKRYQEFQNRQVQSLLELREAQVDAEAQRRLEH LRQALQRLREVVLDA

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acids

NTTQFKRLKEMNEREKKELQKIL DRKRHNSISEAKMRDKHKKEAELTEINRRHITES
VNSI RRLEEAQKQRHDLVAGQQQVLQQLAEEEPKLLAQLAQEC QEQRARLPQEI
RRSLLGEMPEGLGDGPLVACASNGHAP GSSGHLSGADSESQEENTQL

GENE INFORMATION

Gene Name [PLCB3 phospholipase C, beta 3 \(phosphatidylinositol-specific\) \[Homo sapiens \]](#)

Official Symbol [PLCB3](#)

Synonyms PLCB3; phospholipase C, beta 3 (phosphatidylinositol-specific); 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-3;

Gene ID [5331](#)

mRNA Refseq [NM_000932](#)

Protein Refseq [NP_000923](#)

MIM [600230](#)

Uniprot ID [Q01970](#)

Chromosome Location 11q13

Pathway Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;

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Function

calcium ion binding; calmodulin binding; hydrolase activity; phosphatidylinositol
phospholipase C activity; phospholipase C activity;

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