

Recombinant Human PLCD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLCD4-2183H Lot. No. (See product label)

SPECIFICATION

Product Overview	PLCD4 MS Standard C13 and N15-labeled recombinant protein (NP_116115) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the delta class of phospholipase C enzymes. Phospholipase C enzymes play a critical role in many cellular processes by hydrolyzing phosphatidylinositol 4,5-bisphosphate into two intracellular second messengers, inositol 1,4,5-trisphosphate and diacylglycerol. Expression of this gene may be a marker for cancer.
Molecular Mass	87.6 kDa
AA Sequence	MASLLQDQLTTDQDLLLLMQEGMPMRKVRKSWKKLRYFRLQNDGMTVWHARQAR GSAKPSFSISDVETIRNGHDSSELLRSLAEELPLEQGFTIVFHGRRSNLDMANSVEEA QIWMRGLQLLVLDLVTSMHDQERLDQWLSDWFQRGDKNQDGKMSFQEVQRLLHLM NVEMDQEYAFSLFQAADTSQSGTLEGEEFVQFYKALTkraEVQELFESFSADGQKL TLLEFLDFLQEEQKERDCTSELALELIDRYEPSDSGKLRHVLSMDGFLSYLCSKDGDI FNPACLPYQDMTQPLNHYFICSSHNTYLVGDQLCGQSSVEGYIRALKRGCRCEVD VWDGPGSGEPVYHGHHTLTSRILFKDVVATVAQYAFQTS DYPVILSLETHCSWEQQQ TMARHLTEILGEQLLSTTLDGVLPTQLPSPEELRRKILVKGKKLTLEEDLEYEEEEAEAP

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ELEESELALESQFETEPEPQEQLQNKDKKKKSKPILCPALSSLVIYLKSVSFRSFTH
SKEHYHFYEISSFSETKAKRLIKEAGNEFVQHNTWQLSRVYPSGLRTDSSNYPQEL
WNAGCQMVAMNMQTAGLEMDICDGHFRQNGGCGYVLKPDFLRDIQSSFHPEKPIS
PFAQTLLIQVISGQQLPKVDKTEGSIVDPLVKVQIFGVRLDTARQETNYVENNGFN
PYWGQTLCFRVLVPELAMLRVVMDDYDWKSRNDFIGQYTLPWTCMQQGYRHHLL
SKDGISLRPASIFVYICIQEGLEGDESTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PLCD4 phospholipase C delta 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [PLCD4](#)

Synonyms PLCD4; phospholipase C, delta 4; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-4; PLC delta4; phosphoinositide phospholipase C-delta-4; MGC12837;

Gene ID [84812](#)

mRNA Refseq [NM_032726](#)

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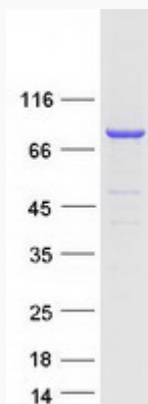
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Protein Refseq NP_116115

MIM 605939

UniProt ID Q9BRC7

SDS-PAGE



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