

## Product datasheet for **TP302935M**

### PLCD4 (NM\_032726) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phospholipase C, delta 4 (PLCD4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC202935 Blue=ORF Red=Cloning site Green=Tag(s)

MASLLQDQLTTDQDLLLMQEGMSMRKVRSKSWKKLRYFRLQNDGMTVWHARQARGSAKPSFSISDVETI  
RNGHDSSELLRSLAEELPLEQGFTIVFHGRRSNLDMANSVEEAQIWMRGLQLLVDLVTSMDHQRERLDQW  
LSDWFQRGDKNQDGKMSFQEVQRLHLMNVEMDQEYAFSLFQAADTSQSGTLEGEFVQFYKALTKRAE  
VQELFESFSADGQKLTLLFLDFLQEEQKERDCTSELALELIDRYEPSDSGKLRHVLSMDGFLSYLCSK  
DGDIFNPACLPIYQDMTQPLNHYFICSSHNTYLVGDQLCGQSSVEGYIRALKRGCRCVEVDVWDGSPGE  
PVVYHGHTLTSRILFKDVATVAQYAFQTSYDYPVILSLETHCSWEQQQTMARHLTEILGEQLLSTTLDG  
VLPTQLPSPEELRRKILVKGKKLLEEDLEYEEEEAEPELESELALESQFETEPEPQEQLNQNKDKKK  
KSKPILCPALSSLVYKSVSFRSFTHSKEHYHFYEISSFSETKAKRLIKEAGNEFVQHNTWQLSRVYP  
SGLRTDSSNYPQELWNAGCQMVMAMNMQTAGLEMDICDGHFRQNGGCGYVLPDFLRDIQSSFHPEKPI  
SPFKAQTLIQVISGQQLPKVDKTEGSIVDPLVKVQIFGVRLDTARQETNYVENNGFNYPWGTLCFR  
VLVPELAMLRVMDYDWKSRNDFIGQYTLPWTCMQQGYRHIHLLSKDGLRPAISFVYICIQEGLEG  
DES  
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC202935 also available, [TP302935](#)

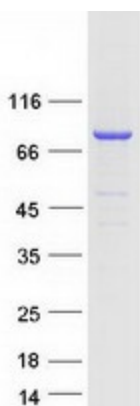
Tag:	C-Myc/DDK
Predicted MW:	87.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_116115</a>
<b>Locus ID:</b>	84812
<b>UniProt ID:</b>	<a href="#">Q9BRC7</a>
<b>RefSeq Size:</b>	3237
<b>Cytogenetics:</b>	2q35
<b>RefSeq ORF:</b>	2286
<b>Summary:</b>	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. [provided by RefSeq, Jan 2011]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Calcium signaling pathway, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

### Product images:



Coomassie blue staining of purified PLCD4 protein (Cat# [TP302935]). The protein was produced from HEK293T cells transfected with PLCD4 cDNA clone (Cat# [RC202935]) using MegaTran 2.0 (Cat# [TT210002]).