

Recombinant Human PLD3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PLD3-2590H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLD3 MS Standard C13 and N15-labeled recombinant protein (NP_001026866) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the phospholipase D (PLD) family of enzymes that catalyze the hydrolysis of membrane phospholipids. The encoded protein is a single-pass type II membrane protein and contains two PLD phosphodiesterase domains. This protein influences processing of amyloid-beta precursor protein. Mutations in this gene are associated with Alzheimer disease risk. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Molecular Mass	54.7 kDa
AA Sequence	MKPKLMYQELKVPAAEELPMNEIEAWKAAEKKARWVLLVLILAVVGFGALMTQL FLWEYGDHLHFGPNQRPAPCYDPCAEVLVESIPEGLDFPNASTGNPSTSQAWLGLL AGAHSSLDIASFYWTLTNNDTHTQEPSAQQGEEVLRQLQTLAPKGVNVRIAVSKPS GPQPQADLQALLQSGAQVRMVDQMQLTHGVLHTKFWVVDQTHFYLG SANMDWRS LTQVKELGVVMYNCSC LARDLT KIFEAYWFLGQAGSSIPSTWPRFYDTRYNQETPM EICLNGTPALAYLASAPPPLCPSGRTPDLKALLNVVDNARSFIYVAVMNYLPTLEFSH PHRFWPAIDDGLRRATYERGVKVRLLISCWGHSEPSMRAFLLSLAALRDNHTHSDIQ

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VKLFVVPADAEQARIPYARVNHNKYMVTERATYIGTSNWSGNYFTETAGTSLTQN
GRGGLRSQLEAIFLRDWDSPYSHDLDTADSVDGNACRLLTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

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 [PLD3 phospholipase D family member 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [PLD3](#)

Synonyms PLD3; phospholipase D family, member 3; phospholipase D3; HU K4; PLD 3; hindIII K4L homolog; choline phosphatase 3; phosphatidylcholine-hydrolyzing phospholipase D3; HUK4; HU-K4;

Gene ID [23646](#)

mRNA Refseq [NM_001031696](#)

Protein Refseq [NP_001026866](#)

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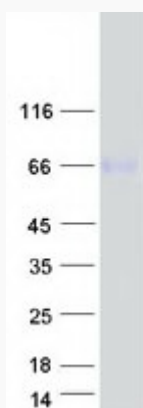
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MIM 615698

UniProt ID Q8IV08

SDS-PAGE



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