

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PLD3 MS Standard C13 and N15-labeled recombinant protein (NP_001026866) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>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.</p> |
| <b>Molecular Mass</b>   | 54.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MKPKLMYQELKVPAAEELPMNEIEAWKAAEKKARWVLLVLILAVVGFGALMTQL<br>FLWEYGDLHLFGPNQRPAPCYDPCEAVLVESIPEGLDFPNASTGNPSTSQAWLGLL<br>AGAHSSLDIASFYWTLTNNDTHTQEPSAQQGEEVLRQLQTLAPKGVNVRIAVSKPS<br>GPQPQADLQALLQSGAQVRMVDQMQLTHGVLHTKFWVVDQTHFYLG SANMDWRS<br>LTQVKELGVVMYNCSC LARDLT KIFEAYWFLGQAGSSIPSTWPRFYDTRYNQETPM<br>EICLNGTPALAYLASAPPPLCPSGRTPDLKALLNVVDNARSFIYVAVMNYLPTLEFSH<br>PHRFWPAIDDGLRRATYERGVKVRLLISCWGHSEPSMRAFLLSLAALRDNHTHSDIQ                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VKLFVVPADAEQARIPYARVNHNKYMVTERATYIGTSNWSGNYFTETAGTSLTQN  
GRGGLRSQLEAIFLRDWDSPLYSHDLDTADSVDGNACRLLTRTRPLEQKLISEEDLAA  
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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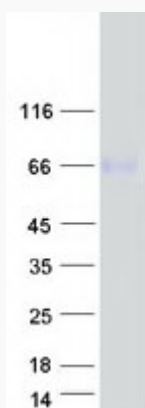
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MIM 615698

UniProt ID Q8IV08

SDS-PAGE



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