

Recombinant Human PLCD3 Protein (Leu528-Ser789), N-His tagged

Cat. No. PLCD3-3975H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLCD3 (Leu528-Ser789) fused with the N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu528-Ser789
Description	This gene encodes a member of the phospholipase C family, which catalyze the hydrolysis of phosphatidylinositol 4,5-bisphosphate to generate the second messengers diacylglycerol and inositol 1,4,5-trisphosphate (IP3) . Diacylglycerol and IP3 mediate a variety of cellular responses to extracellular stimuli by inducing protein kinase C and increasing cytosolic Ca (2+) concentrations. This enzyme localizes to the plasma membrane and requires calcium for activation. Its activity is inhibited by spermine, sphingosine, and several phospholipids.
Form	Lyophilized powder/frozen liquid
Molecular Mass	31.62 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	0.01M PBS, pH 7.4, 0.02% NLS
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

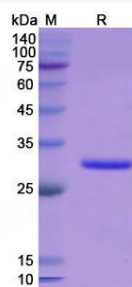
Gene Name	PLCD3 phospholipase C, delta 3 [Homo sapiens (human)]
Official Symbol	PLCD3
Synonyms	PLCD3; phospholipase C delta 3; PLC-delta-3; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-3; PLC delta3; phosphoinositide phospholipase C-delta-3; EC 3.1.4.11
Gene ID	113026
mRNA Refseq	NM_133373
Protein Refseq	NP_588614
MIM	608795
UniProt ID	Q8N3E9

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SDS-PAGE



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