

Recombinant Mouse Plcg1 Protein, Myc/DDK-tagged

Cat. No. Plcg1-4917M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipase C, gamma 1 (Plcg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, EGFR, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.
Molecular Mass	150.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [PLcg1 phospholipase C, gamma 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Plcg1](#)

Synonyms

PLCG1; phospholipase C, gamma 1; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1; PLC-gamma-1; phospholipase C-gamma-1; phosphoinositide phospholipase C-gamma-1; cell differentiation and embryonic development; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1; Cded; Plc-1; Plcg-1; AI894140; Plc-gamma1

Gene ID [18803](#)

mRNA Refseq [NM_021280](#)

Protein Refseq [NP_067255](#)

UniProt ID [Q62077](#)

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