

PLCG1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21541c**Specification**

PLCG1 Blocking Peptide (Center) - Product InformationPrimary Accession [P19174](#)**PLCG1 Blocking Peptide (Center) - Additional Information****Gene ID** 5335**Other Names**

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase gamma-1, PLC-148, Phosphoinositide phospholipase C-gamma-1, Phospholipase C-II, PLC-II, Phospholipase C-gamma-1, PLC-gamma-1, PLCG1, PLC1

Target/Specificity

The synthetic peptide sequence is selected from aa 758-770 of HUMAN PLCG1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PLCG1 Blocking Peptide (Center) - Protein Information**Name** PLCG1 ([HGNC:9065](#))**Synonyms** PLC1**Function**

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 (By similarity). Plays a role in actin reorganization and cell migration (PubMed:[17229814](http://www.uniprot.org/citations/17229814)). Guanine nucleotide exchange factor that binds the GTPase DNM1 and catalyzes the dissociation of GDP, allowing a GTP molecule to bind in its place, therefore enhancing DNM1-dependent endocytosis (By similarity).

Cellular Location

Cell projection, lamellipodium. Cell projection, ruffle. Note=Rapidly redistributed to ruffles and lamellipodia structures in response to epidermal growth factor (EGF) treatment.

PLCG1 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PLCG1 Blocking Peptide (Center) - Images

PLCG1 Blocking Peptide (Center) - Background

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PLCG1 Blocking Peptide (Center) - References

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