Recombinant Human PLCG1 Protein, His-tagged

Cat. No. PLCG1-334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLCG1(Ser1091~Leu1290) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser1091~Leu1290
Description	The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	26.5kDa
Identity	Reconstitute in PBS or others

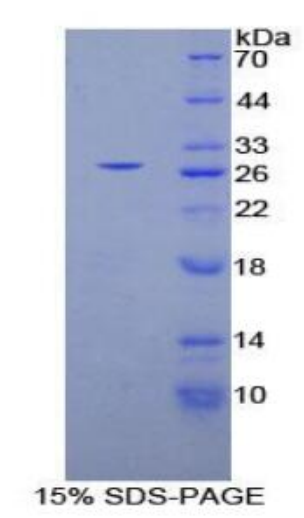
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Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	PLCG1 phospholipase C, gamma 1 [Homo sapiens]
Official Symbol	PLCG1
Synonyms	PLCG1; phospholipase C, gamma 1; phospholipase C, gamma 1 (formerly subtype 148) , PLC1; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-1; NCKAP3; PLC II; PLC148; PLCgamma1; PLC-148; PLC-gamma-1; phospholipase C-II; phospholipase C-148; phosphoinositidase C; phospholipase C-gamma-1; inositoltrisphosphohydrolase; phosphoinositide phospholipase C; phosphatidylinositol phospholipase C; triphosphoinositide phosphodiesterase; phosphoinositide phospholipase C-gamma-1; monophosphatidylinositol phosphodiesterase; 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate; phospholipase C, gamma 1 (formerly

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	subtype 148); 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1; PLC1; PLC-II;
Gene ID	5335
mRNA Refseq	NM_002660
Protein Refseq	NP_002651
MIM	172420
UniProt ID	P19174
	

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