

# Recombinant Human PLCG2 protein, His-tagged

**Cat. No.** PLCG2-2820H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PLCG2 protein(150-313 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 150-313 aa                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | IYSVDQTRRNSISLRELKTIPLINFKVSSAKFLKDKFVEIGAHKDELSFEQFHLFYKKL<br>MFEQQKSILDEFKKDSSVFILGNTDRPDASAVYLRDFQRFLIHEQQEHWAQDLNKVR<br>ERMTKFIDDTMRETAEPFLFVDEFLTLYLSRENSIWDEKYDAVDMQD                                                                                                         |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.                                                                                                                                                                                                          |

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                 |                                                                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | PLCG2 phospholipase C, gamma 2 (phosphatidylinositol-specific) [ Homo sapiens ]                                                                                                                                               |
| Official Symbol | PLCG2                                                                                                                                                                                                                         |
| Synonyms        | PLCG2; phospholipase C, gamma 2 (phosphatidylinositol-specific); 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma-2; PLC-IV; PLC-gamma-2; phospholipase C-IV; phosphoinositide phospholipase C-gamma-2; FCAS3; |
| Gene ID         | 5336                                                                                                                                                                                                                          |
| mRNA Refseq     | NM_002661                                                                                                                                                                                                                     |
| Protein Refseq  | NP_002652                                                                                                                                                                                                                     |
| MIM             | 600220                                                                                                                                                                                                                        |
| UniProt ID      | P16885                                                                                                                                                                                                                        |

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