

## Recombinant Human CAMK1G protein(Met1-Met476), His&GST-tagged

Cat. No. CAMK1G-1346H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human CAMK1G (Q96NX5-1) (Met 1-Met 476) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Insect Cells   |
| <b>ProteinLength</b>    | Met1-Met476  |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% gly, 0.3mM DTT<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.   |
| <b>Molecular Mass</b>   | The recombinant human CAMK1G/GST chimera consists of 713 amino acids and has a calculated molecular mass of 81 kDa. It migRates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.   |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method   |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE   |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** CAMK1G calcium/calmodulin-dependent protein kinase IG [ Homo sapiens ]

**Official Symbol** CAMK1G

**Synonyms** CAMK1G; calcium/calmodulin-dependent protein kinase IG; calcium/calmodulin-dependent protein kinase type 1G; CLICKIII; dJ272L16.1; VWS1; caMKIG; CLICK III; caMKI gamma; caM-KI gamma; caM kinase IG; caM kinase I gamma; caMK-like CREB kinase III;

**Gene ID** 57172

**mRNA Refseq** NM\_020439

**Protein Refseq** NP\_065172

**UniProt ID** Q96NX5

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