

Recombinant Human CAMK2G Protein, GST/His-tagged

Cat. No. CAMK2G-157H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAMK2G, transcript variant 2, fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
Description	The product of this gene is one of the four subunits of an enzyme which belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a gamma chain. Many alternatively spliced transcripts encoding different isoforms have been described but the full-length nature of all the variants has not been determined.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	84.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	CAMK2G calcium/calmodulin-dependent protein kinase II gamma [Homo sapiens]
Official Symbol	CAMK2G
Synonyms	CAMK2G; calcium/calmodulin-dependent protein kinase II gamma; calcium/calmodulin dependent protein kinase (CaM kinase) II gamma , CAMKG; calcium/calmodulin-dependent protein kinase type II subunit gamma; caMK-II subunit gamma; calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma; CAMK; CAMKG; CAMK-II; FLJ16043; MGC26678;
Gene ID	818
mRNA Refseq	NM_172169
Protein Refseq	NP_751909
MIM	602123
UniProt ID	Q13555