

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	<p>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.</p>
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

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