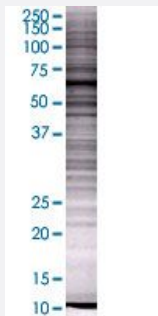


CAMK2G 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000818-T02

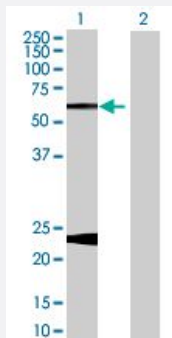
Size 100 uL

Applications



SDS-PAGE Gel

CAMK2G transfected lysate.



Western Blot

Lane 1: CAMK2G transfected lysate (58.08 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CAMK2G full-length
Host	Human
Theoretical MW (kDa)	58.08
Interspecies Antigen Sequence	Mouse (92); Rat (99)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CAMK2G antibody ([H00000818-B02](#)) by Western Blots.
 SDS-PAGE Gel
 CAMK2G transfected lysate.
 Western Blot
 Lane 1: CAMK2G transfected lysate (58.08 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CAMK2G

Entrez GeneID

[818](#)

GeneBank Accession#

[BC034044.1](#)

Protein Accession#

[AAH34044.1](#)

Gene Name

CAMK2G

Gene Alias

CAMK, CAMK-II, CAMKG, FLJ16043, MGC26678

Gene Description

calcium/calmodulin-dependent protein kinase II gamma

Omim ID

[602123](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The product of this gene 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. Six alternatively spliced variants that encode six different isoforms have been characterized to date. Additional alternative splice variants that encode different isoforms have been described, but their full-length nature has not been determined. [provided by RefSeq]

Other Designations

CaM kinase II|OTTHUMP00000019843|OTTHUMP00000019844|calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma

Pathway

- [Calcium signaling pathway](#)
- [ErbB signaling pathway](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Neurotrophin signaling pathway](#)
- [Olfactory transduction](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)