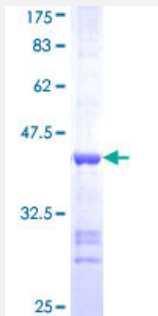


CAMK2D (Human) Recombinant Protein (Q01)

Catalog # H00000817-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CAMK2D partial ORF (AAH32784, 301 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KGAILTTMLATRNFSAAKSLKKPDGVKESTESSNTTIEDVDKARKQEIIKVTEQLIEAINNGDFFA YTKICDPGLTAFEPEALGNLVEGMDFHRFYFENALSKSNKPI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CAMK2D

Entrez GeneID [817](#)

GeneBank Accession# [BC032784](#)

Protein Accession# [AAH32784](#)

Gene Name CAMK2D

Gene Alias CAMKD, DKFZp686G23119, DKFZp686I2288, MGC44911

Gene Description calcium/calmodulin-dependent protein kinase II delta

Omim ID [607708](#)

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 delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns

Other Designations CaM kinase II delta subunit|CaM-kinase II delta chain|CaMK-II delta subunit|OTTHUMP00000163829|OTTHUMP00000163830|calcium/calmodulin-dependent protein kinase (CaM kinase) II delta|calcium/calmodulin-dependent protein kinase type II delta chain

Pathway

- [Calcium signaling pathway](#)
- [ErbB signaling pathway](#)

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

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Tobacco Use Disorder](#)