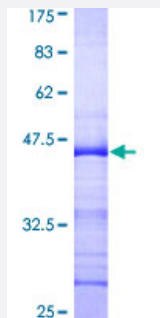


CAMK4 (Human) Recombinant Protein (Q01)

Catalog # H00000814-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CAMK4 partial ORF (AAH25687, 364 a.a. - 473 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DGNEDMKAIPERGEKIQGDGAQAAVKGAQAELMKVQALEKVKGADINAEAPKMVPKAVEDGIKV ADLELEEGLAEEKLKTVEEAAAPREGQGSSAVGFVPPQDVILPEY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.73
Interspecies Antigen Sequence	Mouse (42); Rat (47)
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 — CAMK4

Entrez GeneID [814](#)

GeneBank Accession# [BC025687](#)

Protein Accession# [AAH25687](#)

Gene Name CAMK4

Gene Alias CaMK-GR, MGC36771

Gene Description calcium/calmodulin-dependent protein kinase IV

Omim ID [114080](#)

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. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. [provided by RefSeq]

Other Designations CAM kinase IV|CAM kinase- GR|brain Ca(2+)-calmodulin-dependent protein kinase type IV|brain Ca++-calmodulin-dependent protein kinase type IV|calcium/calmodulin-dependent protein kinase type IV catalytic chain

Pathway

- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alcoholism](#)
- [Azoospermia](#)
- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)
- [Oligospermia](#)
- [Tobacco Use Disorder](#)