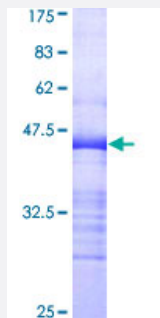


CAMKK2 (Human) Recombinant Protein (Q01)

Catalog # H00010645-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CAMKK2 partial ORF (AAH26060, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSCVSSQPSSNRAAPQDELGGRGSSSESQKPCEALRGLSSLSIHLGMESFMVTECEPGCA VDLGLARDRPLEADGQEVPLDSSGSQARPHLSGRKLSLQERSQGGLAAGGSLDMNGRCICPSL PYSP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.93
Interspecies Antigen Sequence	Mouse (92); Rat (93)
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 — CAMKK2

Entrez GeneID [10645](#)

GeneBank Accession# [BC026060](#)

Protein Accession# [AAH26060](#)

Gene Name CAMKK2

Gene Alias CAMKK, CAMKKB, KIAA0787, MGC15254

Gene Description calcium/calmodulin-dependent protein kinase kinase 2, beta

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 protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases. [provided by RefSeq]

Other Designations CAMKK beta protein|calcium/calmodulin-dependent protein kinase beta|calcium/calmodulin-dependent protein kinase kinase 2 beta

Pathway

- [Adipocytokine signaling pathway](#)

Disease

- [Agoraphobia](#)
- [Anxiety Disorders](#)
- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)
- [Tobacco Use Disorder](#)