

Calcium/calmodulin-dependent protein kinase type II subunit beta (Camk2b) Recombinant Protein | Camk2b recombinant protein

Recombinant Mouse Calcium/calmodulin-dependent protein kinase type II subunit beta (Camk2b)

CATALOG #
AAA113960

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Calcium/calmodulin-dependent protein kinase type II subunit beta (Camk2b); Recombinant Mouse Calcium/calmodulin-dependent protein kinase type II subunit beta (Camk2b); Camk2b recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-542aa; Full Length
Sequence	MATTVTCTRF TDEYQLYEDI GKGAFSVRR CVKLCTGHEY AAKIINTKKL SARDHQKLER EARICRLKH SNIVRLHDSI SEEGFHYLVF DLVTGGELFE DIVAREYYSE ADASHCIQI LEAVLHCHQM GVVHRDLKPE NLLASKCKG AAVKLADFL AIEVQGDQQA WFGFAGTPGY LSPEVLRKEA YGKPVDIWAC GVILYILLVG YPPFWDEDQH KLYQQIKAGA YDFPSPWDVT VTPEAKNLIN QMLTINPAKR ITAHEALKHP WVCQRSTVAS MMHRQETVEC LKKFNARRKL KGAILTTMLA TRNFSVGRQT TAPATMSTAA SGTMMGLVEQ AKSLLNKKAD GVKPQTNSTK NSSAITSPKG SLPPAALEPQ TTVIHNPVDG IKESSDSTNT TIEDEAKAR KQEIIKTEQ LIEAVNNGDF EAYAKICDPG LTSFEPEALG NLVEGMDFHR FYFENLLAKN SKPIHTTILN PHVHVIGEDA ACIAYIRLTQ YIDGQGRPRT SQSEETRVWH RRDGKWQNVH FHCSGAPVAP LQ
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Camk2b recombinant protein	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 beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Eight transcript variants encoding eight distinct isoforms have been identified for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226693349
NCBI GeneID	12323
NCBI Accession #	NP_031621.3
NCBI GenBank Nucleotide #	NM_007595.5
UniProt Accession #	P28652; Q5SVH9

Molecular Weight	60,461 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type II subunit beta isoform 2
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase II, beta
NCBI Official Symbol	Camk2b
NCBI Official Synonym Symbols	CaMKII
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type II subunit beta
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit beta
UniProt Gene Name	Camk2b
UniProt Synonym Gene Names	Camk2d; CaM kinase II subunit beta; CaMK-II subunit beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/camk2b-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113960>