

CAMK1 beta Recombinant Protein | CAMK1beta recombinant protein

CAMK1 beta, Active

CATALOG # AAA73302	HOST Sf9 insect cells	APPLICATIONS Western Blot
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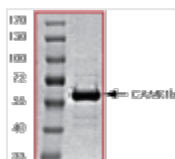
PRODUCT SYNONYMS

CAMK1 beta; Active; Punc; Bstk3; Camk1b; CaMKIb2; caMKIb1; Pnck; CAMK1beta recombinant protein

PRODUCT SPECIFICATIONS

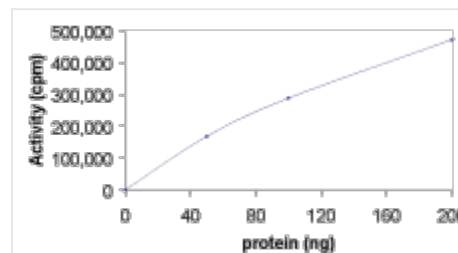
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CAMK1beta recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CAMK1beta recombinant protein	Recombinant full-length mouse CAMK1beta was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_012040. CAMK1beta is thought to be involved in a variety of developmental processes including development of the central nervous system (1). CAMK1beta2, an isoform of mCAMK1beta, is mainly present in the nervous system, including brain, spinal cord, trigeminal ganglion, and retina. Within the CNS, the expression of CAMK1beta2 is detected in the mantle zone suggesting its possible involvement in the differentiation of neurons (2).
Product Categories/Family for CAMK1beta recombinant protein	Protein Kinases; Cardiovascular Disease; ERK/MAPK Pathway; Neurobiology; PKA/PKC Pathway; Ser/Thr Kinases

References

1. Gardner,H.P. et al: Cloning, characterization, and chromosomal localization of Pnck, a Ca(2+)/calmodulin-dependent protein kinase. Genomics 63 (2), 279-288 (2000)
2. Ueda,T. et al: Distribution and intracellular localization of a mouse homologue of Ca2+/calmodulin-dependent protein kinase Ibeta2 in the nervous system. J. Neurochem. 73 (5), 2119-2129 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_012040](#)

Molecular Weight

~64kDa

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/camk1-beta-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73302>