

CASK recombinant protein

CASK, Active

CATALOG # AAA73316	HOST Sf9 insect cells	APPLICATIONS Western Blot
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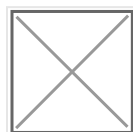
PRODUCT SYNONYMS

CASK; Active; CAGH39; CAMGUK; CMG; FGS4; LIN2; MICPCH; TNRC8; CASK recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CASK recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
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 CASK recombinant protein	Recombinant human CASK (1-570) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003688. CASK is a calcium/calmodulin-dependent serine protein kinase which is a MAGUK (membrane-associated guanylate kinase) protein family member (1). CASK is a scaffold protein and the encoded protein is located at synapses in the brain. CASK associates with FG syndrome 4, mental retardation, microcephaly with pontine and cerebellar hypoplasia, and a form of X-linked mental retardation. CASK functions as a cytoskeletal membrane scaffold that coordinates signal transduction pathways within the cortical cytoskeleton (2).
Product Categories/Family for CASK recombinant protein	Protein Kinases ; Cardiovascular Disease ; ERK/MAPK Pathway ; Neurobiology ; PKA/PKC Pathway ; Ser/Thr Kinases
References	1. Atasoy, D.et.al: Deletion of CASK in mice is lethal and impairs synaptic function. Proc. Nat. Acad. Sci. 104: 2525-2530, 2007. 2. Cohen, A. R. et.al: Human CASK/LIN-2 binds syndecan-2 and protein 4.1 and localizes to the basolateral membrane of epithelial cells. J. Cell Biol. 142: 129-138, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003688
Molecular Weight	~95kDa

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/cask-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73316>