MARK1 recombinant protein

MARK1, Active

CATALOG #	HOST	APPLICATIONS
AAA73678	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

MARK1; Active; MARK; KIAA1477; MARK1 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 MARK1 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 MARK1 recombinant protein	Recombinant full-length human MARK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC114478. MARK1 is a member of the MARK family and is a serine/threonine-protein kinase that plays a key role in signal transduction. Due to its protein serine/threonine kinase activity, MARK1 is known to mediate phosphorylation of key proteins involved in signal transduction and cell communication. MARK1 phosphorylates microtubule-associated proteins and trigger microtubule disruption (1). Gene mutation studies performed in mice revealed that after targeted disruption of the MARK1 gene, the mice lacked the ability to drink, and displayed hind leg motor dysfunction (2).
Product Categories/Family for MARK1 recombinant protein	Protein Kinases; Invasion/Metastasis; Neurobiology; Ser/Thr Kinases
References	1. Drewes, G. et al: MARK, a novel family of protein kinases that phosphorylate microtubule-associated proteins and trigger microtubule disruption. Cell 1997; 89:297-308. 2. Manabu, N. et al: A gene-targeting approach for functional characterization of KIAA genes encoding extremely large proteins. The FASEB Journal. 2006; 20:1718-1720.

NCBI AND UNIPROT INFORMATION

NCBI GI #	89365908
NCBI GeneID	4139
Molecular Weight	125.0 kDa
NCBI Official Full Name	Homo sapiens MAP/microtubule affinity-regulating kinase 1, mRNA
NCBI Official Synonym Full Names	microtubule affinity regulating kinase 1
NCBI Official Symbol	MARK1
NCBI Official Synonym Symbols	MARK; Par1c; Par-1c
NCBI Protein Information	serine/threonine-protein kinase MARK1

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/mark1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73678