

MRCK alpha Recombinant Protein | MRCKalpha recombinant protein

MRCK alpha, Active

CATALOG # AAA73351	HOST Sf9 insect cells	APPLICATIONS Western Blot
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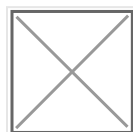
PRODUCT SYNONYMS

MRCK alpha; Active; CDC42BPA; MRCK; PK428; FLJ23347; KIAA0451; DKFZp686L1738; DKFZp686P1738; MRCKalpha recombinant protein

PRODUCT SPECIFICATIONS

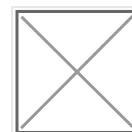
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for MRCKalpha recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product 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 MRCKalpha recombinant protein	Recombinant human MRCKalpha (1-473) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003607. Myotonic Dystrophy Kinase-Related Cdc42-Binding Kinase alpha (MRCKalpha) is a Cdc42/Rac/Rho interactive/binding serine/threonine kinase with multiple functional domains (1). MRCK are effectors of RhoA and Cdc42, respectively, for actin reorganization. MRCKalpha is a critical regulator of signal transduction pathways in eukaryotic cells that are known principally for their role in regulating the cytoskeleton, and they do so by recruiting a variety of downstream effector proteins (2).
Product Categories/Family for MRCKalpha recombinant protein	Protein Kinases ; Angiogenesis ; Cancer ; Invasion/Metastasis ; Ser/Thr Kinases
References	1. Ivan, T. et al: Genomic organization of human myotonic dystrophy kinase-related Cdc42-binding kinase alpha reveals multiple alternative splicing and functional diversity. <i>Gene</i> ; 2003; 304:107-115. 2. Ivan, T. et al: Phosphorylation of a Novel Myosin Binding Subunit of Protein Phosphatase 1 Reveals a Conserved Mechanism in the Regulation of Actin Cytoskeleton. <i>J. Biol. Chem.</i> , 2001; 276 (24): 21209-21216.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003607
Molecular Weight	~73kDa

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/mrck-alpha-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73351>