

MEK6 recombinant protein

MEK6, Active

CATALOG # AAA73653	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MEK6; Active; MAP2K6; MAPKK6; MKK6; PRKMK6; SAPKK3; SKK3; SEK3; MEK6 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 MEK6 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 MEK6 recombinant protein	Recombinant full-length human MEK6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC012009. MEK6 or MAP2K6(mitogen-activated protein kinase kinase 6) is a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase that also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. MEK6 phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress (1). As an essential component of p38 MAP kinase mediated signal transduction pathway, MEK6 is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis (2).
Product Categories/Family for MEK6 recombinant protein	Protein Kinases ; Angiogenesis ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; ERK/MAPK Pathway ; Invasion/Metastasis ; Neurobiology ; Ser/Thr Kinases
References	- Han, J.et.al: Characterization of the structure and function of a novel MAP kinase kinase (MKK6). J. Biol. Chem. 271: 2886-2891, 1996. - Mao, Z.et.al: Neuronal activity-dependent cell survival mediated by transcription factor MEF2. Science 286: 785-790, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15080539
NCBI GeneID	5608
Molecular Weight	31,339 Da
NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase kinase 6, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 6
NCBI Official Symbol	MAP2K6
NCBI Official Synonym Symbols	MEK6; MKK6; MAPKK6; PRKMK6; SAPKK3; SAPKK-3
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 6

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/mek6-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73653>