

MEK4 (MAP2K4) Recombinant Protein | MEK4 recombinant protein

MEK4 (MAP2K4), Active

CATALOG # AAA73651	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

PRODUCT SYNONYMS

MEK4 (MAP2K4); Active; MAP2K4; JNKK1; MAPKK4; MKK4; PRKMK4; SKK-1; SEK1; MEK4 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 MEK4 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 MEK4 recombinant protein	Recombinant full-length human MEK4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003010. Mitogen-activated protein kinase kinase 4 (MEK4 or MKK4) is dual specificity kinase of the STE7 family that phosphorylates and activates JNK1 and -2 as well as p38. MKK4 preferentially phosphorylates the tyrosine residue of JNKs. Mediates a variety of physiological and pathophysiological processes such as responses to cellular stresses and inflammatory cytokines. MKK4 is important for carcinogenesis, a loss-of-function mutation in MKK4 was found in lung and pancreatic tumors. Conversely, a pro-oncogenic role was also found for MKK4.
Product Categories/Family for MEK4 recombinant protein	Protein Kinases ; Angiogenesis ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; ERK/MAPK Pathway ; Invasion/Metastasis ; Neurobiology ; Ser/Thr Kinases
References	1. Lin A, et al. Identification of a dual specificity kinase that activates the Jun kinases and p38-Mpk2. Science. 268: 286-90, 1995. 2. Wang L, et al. Evidence of MKK4 pro-oncogenic activity in breast and pancreatic tumors. Oncogene. 23:5978-85, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003010
Molecular Weight	~71kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mek4-map2k4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73651>