

MKK4 recombinant protein

MKK4, Active

CATALOG # AAA73652	HOST Sf9 insect cells	APPLICATIONS Western Blot
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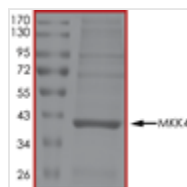
PRODUCT SYNONYMS

MKK4; Active; MAP2K4; JNKK; MEK4; SEK1; JNKK1; SERK1; MAPKK4; PRKMK4; MKK4 recombinant protein

PRODUCT SPECIFICATIONS

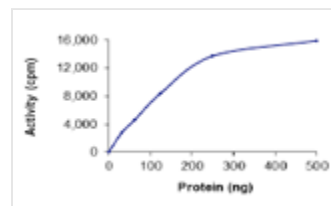
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, and 25% glycerol.
Applicable Applications for MKK4 recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
Species	Human
Dry Ice Note	The product may be 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 Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for MKK4 recombinant protein	Recombinant human full-length MKK4 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_003010. MKK4 is a member of the mitogen-activated protein kinase family and is involved in the stress-activated protein kinase pathway where it phosphorylates c-Jun NH2-terminal kinase (1). MKK4 is part of a signaling system that is stimulated in the presence of stress to the cell (including chemotherapy), and it controls differentiation and programmed cell death (apoptosis). MKK4 is central component of signal transduction pathways induced by mitogens and stresses. MKK4 genetic inactivation has been observed in a subset of pancreatic carcinomas, implicating deregulation of the stress-activated protein kinase pathway in pancreatic carcinogenesis (2).
Product Categories/Family for MKK4 recombinant protein	Protein Kinases; Cancer; Ser/Thr Kinases

References

1. Karl Deacon, K. et al: Characterization of the Mitogen-activated Protein Kinase Kinase 4 (MKK4)/c-Jun NH2-terminal kinase 1 and MKK3/p38 Pathways Regulated by MEK Kinases 2 and 3. J. Biol. Chem.1997; 272 (22): 14489-14496.
2. Wei, X. et al: MAP2K4/MKK4 Expression in Pancreatic Cancer. Clinical Cancer Res. 2004; 10, 8516-8520.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_003010](#)

Molecular Weight

~46kDa

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/mkk4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73652>