

MEKK2 recombinant protein

MEKK2, Active

CATALOG # AAA73655	HOST Sf9 insect cells	APPLICATIONS Western Blot
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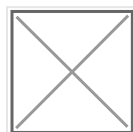
PRODUCT SYNONYMS

MEKK2; Active; MAP3K2; MEKK2B; MEKK2 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 MEKK2 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 MEKK2 recombinant protein	Recombinant full-length human MEKK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006609. MEKK2 (also known as mitogen-activated protein kinase (MAPK) kinase kinase 2) is a major upstream activator of the JNK/MAPK cascade (1). MEKK2 can mediate in vitro phosphorylation of MKK4 and MKK7 which are key MAPKs that activate JNK. In addition, MEKK2 immunoprecipitates activated JUN in an IL1-dependent manner. Rheumatoid arthritis and osteoarthritis synovial tissues show high levels of MEKK2 indicating that it may be an important activator of the JNK pathway in arthritis (2). Endogenous MEKK2 is localized mainly in the cytosol of unstimulated cells.
Product Categories/Family for MEKK2 recombinant protein	Protein Kinases ; Apoptosis/Autophagy ; ERK/MAPK Pathway ; Invasion/Metastasis ; JNK/SAPK Pathway ; p38 Pathway ; Ser/Thr Kinases

References

1. Blank, J. L. et al: Molecular cloning of mitogen-activated protein/ERK kinase kinases (MEKK) 2 and 3: regulation of sequential phosphorylation pathways involving mitogen-activated protein kinase and c-Jun kinase. J. Biol. Chem. 271: 5361-5368, 1996.
2. Hammaker, D. R.; Boyle, D. L.; Chabaud-Riou, M.; Firestein, G. S. : Regulation of c-Jun N-terminal kinase by MEKK-2 and mitogen-activated protein kinase kinase kinases in rheumatoid arthritis. J. Immun. 172: 1612-1618, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_006609](#)

Molecular Weight

~115kDa

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/mekk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73655>