

MEK1 (EE) Recombinant Protein | MEK1 recombinant protein

MEK1 (EE), Active

CATALOG # AAA73649	HOST E Coli	APPLICATIONS Western Blot
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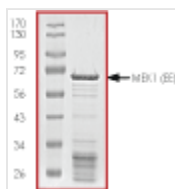
PRODUCT SYNONYMS

MEK1 (EE); Active; MAP2K1; MKK1; MAPKK1; PRKMK1; MEK1 recombinant protein

PRODUCT SPECIFICATIONS

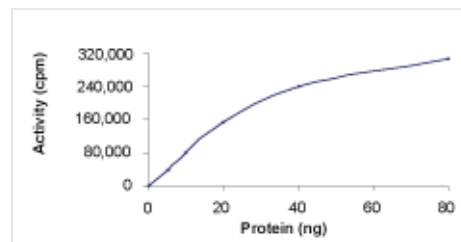
Host	E Coli
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for MEK1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
Dry Ice Note	The product may be shipped with 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 MEK1 recombinant protein	Recombinant full-length mouse MEK1 (S218E, S222E) was expressed in E Coli cells using an N-terminal GST tag. The gene accession number is NM_008927. MEK1 (EE) is a member of the dual specificity protein kinase family that acts as a mitogen-activated protein kinase (MAPK) kinase. MEK1 lies upstream of MAPK/ERK and stimulates the enzymatic activity of MAPK/ERK upon a wide variety of extra-and intracellular signals. As an essential component of MAPK/ERK signal transduction pathway, MEK1 is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development (1). Constitutive activation of MEK1 results in cellular transformation. Thus, MEK1 represents a likely target for pharmacologic intervention in proliferative disease such as cancer (2).
Product Categories/Family for MEK1 recombinant protein	Protein Kinases ; Angiogenesis ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; ERK/MAPK Pathway ; Invasion/Metastasis ; Neurobiology ; Ser/Thr Kinases

References

1. Seger, R. et al: The MAPK signaling cascade. FASEB J. 9: 726-735, 1995.
2. Sebolt-Leopold, J S. et al: Blockade of the MAP kinase pathway suppresses growth of colon tumors in vivo. Nature Med. 5: 810-816, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_008927](#)

Molecular Weight

~69kDa

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/mek1-ee-recombinant-protein-e-coli-wb-western-blot-kinase-assay/73649>