

MEK1 recombinant protein

MEK1, Unactive recombinant protein

CATALOG # AAA72938	APPLICATIONS Western Blot
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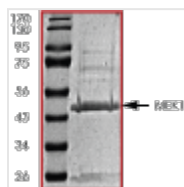
PRODUCT SYNONYMS

MEK1; Unactive recombinant protein; MAP2K1; MKK1; MAPKK1; PRKMK1; MEK1 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM sodium phosphate , ph 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 2mM DTT, 25%glycerol
Concentration	0.2 ug/ul (varies by lot)
Sequence Length	2603
Applicable Applications for MEK1 recombinant protein	WB (Western Blot), Kinase Assay
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. Product shipped on dry ice.

IMAGES



SDS-PAGE

The purity of unactive MEK1 was determined to be >90% by densitometry, approx MW 47kDa.

ADDITIONAL INFORMATION

Related Product Information for MEK1 recombinant protein	MEK1 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. Constitutive activation of MEK1 results in cellular transformation. Thus, MEK1 represents a likely target for pharmacologic intervention in proliferative disease such a cancer.
Product Categories/Family for MEK1 recombinant protein	Unactive Kinase ; Signaling Proteins - Unactive Kinases
References	- Sugden, P H. et al: Regulation of the ERK subgroup of MAP kinase cascades through G protein-coupled receptors. Cell Signal. 1997 Aug;9(5):337-51. - Huynh, H. et al: Over-expression of the mitogen-activated protein kinase (MAPK) kinase (MEK)-MAPK in hepatocellular carcinoma: its role in tumor progression and apoptosis. BMC Gastroenterol. 2003 Aug 8;3:19.

NCBI AND UNIPROT INFORMATION

NCBI GI #	169790828
NCBI GeneID	5604
NCBI Accession #	NP_002746.1
NCBI GenBank Nucleotide #	NM_002755
UniProt Accession #	Q02750
Molecular Weight	~47 kDa
NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase kinase 1 (MAP2K1), mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 1
NCBI Official Symbol	MAP2K1
NCBI Official Synonym Symbols	CFC3; MEK1; MKK1; MAPKK1; PRKMK1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; ERK activator kinase 1; protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1)
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 1
UniProt Gene Name	MAP2K1
UniProt Synonym Gene Names	MEK1; PRKMK1; MAP kinase kinase 1; MAPKK 1; MKK1; MEK 1
UniProt Entry Name	MP2K1_HUMAN

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/map2k1-recombinant-protein-wb-western-blot-kinase-assay/72938>