Mitogen-activated protein kinase 14 (Mapk14) Recombinant Protein | Mapk14 recombinant protein

Recombinant Mouse Mitogen-activated protein kinase 14 (Mapk14)

CATALOG #	HOST
AAA113342	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Mitogen-activated protein kinase 14 (Mapk14); Recombinant Mouse Mitogen-activated protein kinase 14 (Mapk14); Mapk14 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-360aa; Full Length of Mature Protein
Sequence	SQERPTFYRQ ELNKTIWEVP ERYQNLSPVG SGAYGSVCAA FDTKTGHRVA VKKLSRPFQS IIHAKRTYRE LRLLKHMKHE NVIGLLDVFT PARSLEEFND VYLVTHLMGA DLNNIVKCQK LTDDHVQFLI YQILRGLKYI HSADIIHRDL KPSNLAVNED CELKILDFGL ARHTDDEMTG YVATRWYRAP EIMLNWMHYN QTVDIWSVGC IMAELLTGRT LFPGTDHIDQ LKLILRLVGT PGAELLKKIS SESARNYIQS LAQMPKMNFA NVFIGANPLA VDLLEKMLVL DSDKRITAAQ ALAHAYFAQY HDPDDEPVAD PYDQSFESRD LLIDEWKSLT YDEVISFVPP PLDQEEMES
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Mapk14 recombinant protein	This protein is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1 TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

NCBI AND UNIPROT INFORMATION

NCBI GI #	270341370
NCBI GeneID	26416
NCBI Accession #	NP_001161980.1
NCBI GenBank Nucleotide #	NM_001168508.1
UniProt Accession #	P47811; O08666; Q3U6R5; Q3UZS3; Q8C289; Q9JLV8; Q9QZ80; B2KF37; B2KF38
Molecular Weight	32,327 Da

NCBI Official Full Name	mitogen-activated protein kinase 14 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 14
NCBI Official Symbol	Mapk14
NCBI Official Synonym Symbols	p38; Crk1; Mxi2; p38a; CSBP2; Csbp1; PRKM14; PRKM15; p38MAPK; p38alpha; p38-alpha
NCBI Protein Information	mitogen-activated protein kinase 14
UniProt Protein Name	Mitogen-activated protein kinase 14
UniProt Gene Name	**Mapk14**
UniProt Synonym Gene Names	Crk1; Csbp1; Csbp2; MAP kinase 14; MAPK 14; MAP kinase p38 alpha

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/mapk14-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113342