

MAPK14 recombinant protein

MAPK14, 1-360aa, Human, His tag, E Coli

CATALOG # AAA48775	HOST E Coli	APPLICATIONS SDS-Page
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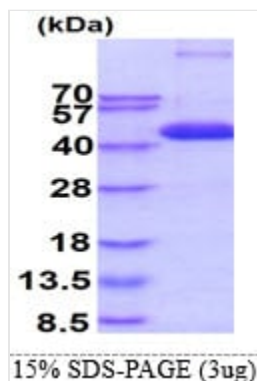
PRODUCT SYNONYMS

MAPK14; 1-360aa; Human; His tag; E Coli; Mitogen-activated protein kinase 14; CSBP; CSBP1; CSBP2; CSPB1; EXIP; Mxi2; p38; p38ALPHA; PRKM14; PRKM15; RK; SAPK2A; MAPK14 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMSQERPT FYRQELNKTI WEVPERYQNL SPVGSGAYGS VCAAFDTKTG LRVAVKKLSR PFQSIHAKR TYRELRLKH MKHENVIGLL DVFTPARSLE EFNDVYLVTH LMGADLNNIV KCQKLTDDHV QFLIYQILRG LKYIHSADII HRDLKPSNLA VNEDCELKIL DFGLARHTDD EMTGYVATRW YRAPEIMLNW MHYNQTVDIW SVGCIMAELL TGRTLFPGTD HIDQLKLILR LVGTPGAELL KKISSESARN YIQSLTQMPK MNFANVFIGA NPLAVDLLEK MLVLDSDKRI TAAQALAHAY FAQYHDPDDE PVADPYDQSF ESRDLLIDEW KSLTYDEVIS FVPPPLDQEE MES
Sequence Length	360
Applicable Applications for MAPK14 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MAPK14 recombinant protein	MAPK14 (Mitogen-activated protein kinase 14) is a member of the MAP kinase family. MAPK14 is most closely related to p38 MAP kinases (MAPKs). MAPKs are activated primarily in response to inflammatory cytokines and cellular stress, and inhibitors which target the MAPK14 and MAPK11 have shown potential for the treatment of inflammatory disease. 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. Recombinant human MAPK14 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for MAPK14 recombinant protein	Signal Transduction
References	Beardmore VA, et al. (2005) Mol Cell Biol. 25 (23):10454-64.; Chen, Z, et al (2001) J. Biol. Chem. (united States). 276 (19): 16070-5

NCBI AND UNIPROT INFORMATION

NCBI GI #	20986512
NCBI GeneID	1432
NCBI Accession #	NP_620581
NCBI GenBank Nucleotide #	NM_139012.2
UniProt Accession #	Q16539; O60776; Q13083; Q14084; Q8TDX0; A6ZJ92; A8K6P4; B0LPH0; B5TY32
Molecular Weight	43.7kDa (383aa), confirmed by MALDI-TOF
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	RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA
NCBI Protein Information	mitogen-activated protein kinase 14
UniProt Protein Name	Mitogen-activated protein kinase 14
UniProt Gene Name	MAPK14
UniProt Synonym Gene Names	CSBP; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; MAP kinase 14; MAPK 14; CSAID-binding protein; CSBP; MAP kinase p38 alpha; SAPK2a

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.