

Mitogen-Activated Protein Kinase 3 Recombinant Protein | MAPK3 recombinant protein

Recombinant Human Mitogen-Activated Protein Kinase 3 His Tag

CATALOG #
AAA38834

HOST
E Coli

PRODUCT SYNONYMS

Mitogen-Activated Protein Kinase 3; Recombinant Human Mitogen-Activated Protein Kinase 3 His Tag; MAPK3 Human; His; Mitogen-Activated Protein Kinase 3 Human Recombinant; His-Tag; ERK1; HS44KDAP; HUMKER1A; P44ERK1; P44MAPK; PRKM3; MAP kinase3; MAPK3 His; MAPK3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The MAPK3 0.5mg/ml protein solution contains 20 mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMAA AAAQGGGGGE PRRTEGVGPG VPGEVEMVKG QPFDVGPRYT QLQYIGEGAY GMVSSAYDHV RKTRVAIKKI SPFEHQTYCQ RTLREIQILL RFRHENVIGI RDILRASTLE AMRDVYIVQD LMETDLYKLL KSQQLSNDHI CYFLYQILRG LKYIHSANVL HRDLKPSNLL INTTCDLKIC DFGLARIADP EHDHTGFLTE YVATRWRAP EIMLSKGYT KSIDIWSVGC ILAEMLSNRP IFPGKHYLDQ LNHILGILGS PSQEDLNCII NMKARNYLQS LPSKTKVAWA KLFPSKSDSKA LDLLDRMLTF NPNKRITVEE ALAHPLYEQY YDPTDEPVAE EPFTFAMELD DLPKERLKEI IFQETARFQP GVLEAP
Sequence Length	357
Preparation and Storage	MAPK3 although stable 4C for 4 weeks, should be stored desiccated below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MAPK3 recombinant protein	Description: MAPK3 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 399 amino acids (1-379 a.a.) and having a molecular mass of 45.2 kDa. The MAPK3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: MAPK3 is a part of the MAP kinase family which is recognized as extracellular signal-regulated kinases (ERKs), that function in a signaling cascade that controls various cellular procedures such as proliferation, differentiation, and cell cycle progression in reaction to a variety of extracellular signals. MAPK3 is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets.
Product Categories/Family for MAPK3 recombinant protein	Protein Kinases; Enzymes; Mitogen-Activated Protein Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595
NCBI Accession #	NP_001035145.1
NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361; Q8NHX1; A8CZ58; B0LPG3

Molecular Weight	40,088 Da
NCBI Official Full Name	mitogen-activated protein kinase 3 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 3
NCBI Official Symbol	MAPK3
NCBI Official Synonym Symbols	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
NCBI Protein Information	mitogen-activated protein kinase 3; MAP kinase isoform p44; MAPK 1; extracellular signal-regulated kinase 1; extracellular signal-related kinase 1; insulin-stimulated MAP2 kinase; microtubule-associated protein 2 kinase
UniProt Protein Name	Mitogen-activated protein kinase 3
UniProt Gene Name	MAPK3
UniProt Synonym Gene Names	ERK1; PRKM3; MAP kinase 3; MAPK 3; ERK-1; p44-MAPK
UniProt Entry Name	MK03_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mapk3-recombinant-protein-e-coli/38834>