

Recombinant Human MAPK3 protein, GST-tagged

Cat. No. MAPK3-1049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK3 protein(1-379 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-379 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MAAAAAQGGGGGEPRTGEGVGPVGEVEMVKGQPFVDVGPRYTQLQYIGEGAYG MVSSAYDHVRKTRVAIKKISPFEHQTYCQRTLREIQILLRFRHENVIGIRDILRASTLEA MRDVIYVQDLMETDLYKLLKSQQLSNDHICYFLYQILRGLKYIHSANVLHRDLKPSNL LINTTCDLKICDFGLARIADPEHDHTGFLTEYVATRWWYRAPEIMLNSKGYTKSIDIWSV GCILAEMLSNRPIFPGKHLYDQLNHILGILGSPSQEDLNCIINMKARNYLQSLPSKTKV AWAKLFPKSDSKALDLLDRMLTFNPNKRITVEEALAHPLYEQYYDPTDEPVAEEPFT FAMELDDLPKERLKLIFQETARFQPGVLEAP
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name MAPK3 mitogen-activated protein kinase 3 [Homo sapiens]

Official Symbol MAPK3

Synonyms MAPK3; mitogen-activated protein kinase 3; PRKM3; ERK1; p44erk1; p44mapk; MAPK 1; MAP kinase 1; MAP kinase 3; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; mitogen-activated protein kinase 1; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase; ERT2; ERK-1; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MGC20180;

Gene ID 5595

mRNA Refseq NM_001040056

Protein Refseq NP_001035145

MIM 601795

UniProt ID P27361

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SDS-PAGE



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