Recombinant Human MAPK3 protein, His/MBP-tagged

Cat. No. MAPK3-286H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK3(246-360 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	246-360 aa
Description	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.
Form	Liquid in PBS
Purity	SDS-PAGE >90%
Applications	WB Positive Control
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.

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Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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