

Recombinant Human MAPK7 protein, His/MBP-tagged

Cat. No. MAPK7-282H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK7(346-477 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	346-477 aa
Description	The protein encoded by this gene 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 specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported.
Form	Liquid in PBS
Purity	SDS-PAGE >90%

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Applications	WB Positive Control
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	MAPK7 mitogen-activated protein kinase 7 [Homo sapiens]
Official Symbol	MAPK7
Synonyms	MAPK7; mitogen-activated protein kinase 7; PRKM7; BMK1; BMK1 kinase; ERK5; extracellular signal regulated kinase 5; BMK-1; ERK-5; MAPK 7; MAP kinase 7; big MAP kinase 1; extracellular signal-regulated kinase 5; extracellular-signal-regulated kinase 5; ERK4;
Gene ID	5598
mRNA Refseq	NM_002749
Protein Refseq	NP_002740
MIM	602521
UniProt ID	Q13164

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