

Active Recombinant Human MAPK1 protein

Cat. No. MAPK1-26227TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK1(Met1-Ser360) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-360 a.a.
Description	Mitogen-activated protein kinase 1 (MAPK1) is also known as "extracellular signal-regulated kinase 2" (ERK2). Two similar (85% sequence identity) protein kinases were originally called ERK1 and ERK2. They were found during a search for protein kinases that are rapidly phosphorylated after activation of cell surface tyrosine kinases such as the epidermal growth factor receptor. Phosphorylation of ERKs leads to the activation of their kinase activity.
Form	MAPK1 protein solution is supplied in 50mM HEPES pH 7.5, 100mM NaCl, 5mM DTT and 20% glycerol.
Bio-activity	386 pmol/gxmin
Molecular Mass	41,762 Dalton
AA Sequence	maaaaaagag pemvrgqvfd vgprytnlsy igegaygmvc saydnvnkvr vaikkispfe hqtycqrtr eikillrfh eniigindii raptieqmkd vyivqdlmet dlyklktqh lsndhicyfl yqilrglkyi hsanvlhrdl kpsnllntt cdlkicdfgl arvadpdhdh tgflteyvat rwyrapeiml nskgytsid iwsvgcilae mlsnrpifpg

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khyldqlnhi lgilgspsqe dlnciinlka rnyllslphk nkvpwnrlfp nadskaldll dkmltfnpkh rieveqalah
pyleqyydps depiaepfk fdmelddlpk eklkelifee tarfqpgyrs.

Purity The purity is greater than 95%.

Storage Store vial at -20 centigrade to -80 centigrade. Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name MAPK1 mitogen-activated protein kinase 1 [Homo sapiens]

Official Symbol MAPK1

Synonyms

MAPK1; mitogen-activated protein kinase 1; PRKM1, PRKM2; ERK; ERK2; MAPK2; p41mapk; ERK-2; MAPK 2; p42-MAPK; MAP kinase 1; MAP kinase 2; MAP kinase isoform p42; protein tyrosine kinase ERK2; mitogen-activated protein kinase 2; extracellular signal-regulated kinase 2; p38; p40; p41; ERT1; PRKM1; PRKM2; P42MAPK;

Gene ID 5594

mRNA Refseq NM_002745

Protein Refseq NP_002736

MIM 176948

UniProt ID P28482

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