

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 vgptrynlisy igegaygmvc saydvnkvr vaikkispfe hqtycqrllr eikillrfh eniigindii raptieqmkd vyivqdlmet dlykllktqh lsdhicyfl yqilrglkyi hsanvlhrdl kpsnllntt cdlkicdfgl arvadpdhdh tgflteyvat rwyrapeiml nskgytksid iwsvgcilae mlsnrpifpg |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

khyldqlnhi lgilgspsqe dlnciinlka rnyllslphk nkvpwnrlfp nadskaldll dkmltfnphk rieveqalah
pyleqyydps depiaeaepfk 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA