

## Mitogen-Activated Protein Kinase 1 Human Recombinant, Active

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item Number</b>                       | rAP-1298                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>                          | Mitogen-activated protein kinase 1, EC 2.7.11.24, Extracellular signal-regulated kinase 2, ERK-2, Mitogen-activated protein kinase 2, MAP kinase 2, MAPK 2, p42-MAPK, ERT1, ERK, p38, p40, p41, ERK2, MAPK2, PRKM1, PRKM2, P42MAPK, p41mapk.                                                                                                                                                                                    |
| <b>Description</b>                       | MAPK1 Human Recombinant is a non-glycosylated full length chain containing amino acids Met1-Ser360 and having a calculated molecular mass of 41,762 Dalton. MAPK1 is purified by proprietary chromatographic techniques.                                                                                                                                                                                                        |
| <b>Uniprot Accession Number</b>          | P28482                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Amino Acid Sequence</b>               | <pre> maaaaaagag pemvrgqvfd vgprytnlsy igegaygmvc saydnvnkvr vaikkispfe hqtycqrtr eikillrfrh eniigindii rap- tieqmkd vyivqdlmet dlyklktqh lsnhdicyfl yqilrglkyi hsanvlhrdl kpsnlllntt cdlkicdfgl arvadpdhdh tgflteyvat rwyrapeiml nskgytsid iwsvgcila mlsnrpifpg khyldqlnhi lgilgspseq dlnciinlka rnyllslphk nkvpwnrfp nadskaldll dkmltfnpkh rieveqalah pyleqyydps depiaepfk fdmelddlpk eklkelifee tarfqpgyrs.           </pre> |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Physical Appearance and Stability</b> | Sterile Filtered clear solution. Store vial at -20&deg;C to -80&deg;C.Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                        |
| <b>Formulation and Purity</b>            | MAPK1 protein solution is supplied in 50mM HEPES pH 7.5, 100mM NaCl, 5mM DTT and 20% glycerol. The purity is greater than 95%.                                                                                                                                                                                                                                                                                                  |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Solubility</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                                                                                                                                                         |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**