

# Recombinant Human MAPK1 protein, His-tagged

**Cat. No.** MAPK1-529H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MAPK1 protein(Thr200-Tyr468), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 200-468 aa                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, 10% Glycerol, 0.5% SKL, pH 8.0.                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 31.36 kDa                                                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | < 1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | ≥ 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.                                                                                                                                           |
| <b>Reconstitution</b>   | Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to |

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minimize free-thaw cycles.

## GENE INFORMATION

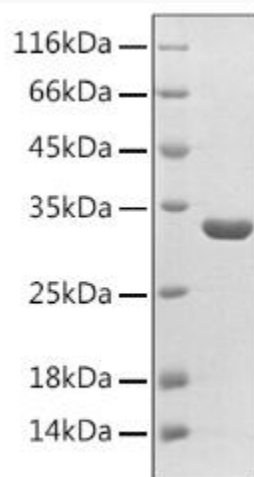
|                        |                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAPK1 mitogen-activated protein kinase 1 [ Homo sapiens ]                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b> | MAPK1                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 5594                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_002745                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_002736                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>             | 176948                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>      | P28482                                                                                                                                                                                                                                                                                                                  |

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SDS-PAGE



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