

# Human MAPK1 Recombinant Protein



RPPB2570

## Product Information Protein Information

**Product SKU:**

RPPB2570

**Accession:**

P28482

**Host:**

Escherichia Coli.

**Protein description:**

MAPK1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 380 amino acids (1-360 a.a.) and having a molecular mass of 43.5 kDa. MAPK1 is fused to a 20 amino acids His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

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.

**Formulation:**

The MAPK1 solution contains 20 mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SSGLVPRGSH MAAAAAAGAG PEMVRGQVFD VGPRYTNSLY IGEGAYGMVC  
SAYDNVNKVR VAIKKISPFE HQTYCQRTL R EIKILLRFRH ENIIGINDII RAPTIEQMKD VYIVQDLMET  
DLYKLLKTQH LSN DHICYFL YQILRGLKYI H SANVLHRDL KPSNLLLNTT CDLKICDFGL ARVADPDHHDH  
TGFLTEYVAT RWYRAPEIML NSKGYTKSID IWSVGCILAE MLSNRPIFPG KHYLDQLNHI LGILGSPSQE  
MGSSHHHHHH SSGLVPRGSH MAAAAAAGAG PEMVRGQVFD VGPRYTNSLY IGEGAYGMVC  
SAYDNVNKVR VAIKKISPFE HQTYCQRTL R EIKILLRFRH ENIIGINDII RAPTIEQMKD VYIVQDLMET  
DLYKLLKTQH LSN DHICYFL YQILRGLKYI H SANVLHRDL KPSNLLLNTT CDLKICDFGL ARVADPDHHDH  
TGFLTEYVAT RWYRAPEIML NSKGYTKSID IWSVGCILAE MLSNRPIFPG KHYLDQLNHI LGILGSPSQE  
DLNCIINLKA RNYLLSLPHK NKVPWNRLF NADSKALDLL DKMLTFNPHK RIEVEQALAH PYLEQYYDPS  
DEPIAEAPFK FDMELDDL PK EKLKELIFEE TARFQPGYRS.