

Recombinant Human Mitogen-Activated Protein Kinase 1, His Tag

Item Number	rAP-1301
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.
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.
Uniprot Accession Number	P28482
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAAAAAAGAG PEMVARGQVFD VGPRYTNLISY IGEGAYGMVC SAYDNVNKVR VAIKKISPFE HQTTCQRTL R EIKILLRFRH ENIIIGINDII RAPTIEQMKD VYIVQDLMET DLYKLLKTQH LSN DHICYFL YQILRGLKYI H SANVLHRDL KPSNLLLNTT CDLKICDFGL ARVADPDHDH TGFLTEYVAT RWYRAPEIML NSKGYTKSID IWSVGCILAE MLSNRPIFPG KHYLDQLNHI LGILGSPSQE MGSSHHHHHH SSGLVPRGSH MAAAAAAGAG PEMVARGQVFD VGPRYTNLISY IGEGAYGMVC SAYDNVNKVR VAIKKISPFE HQTTCQRTL R EIKILLRFRH ENIIIGINDII RAPTIEQMKD VYIVQDLMET DLYKLLKTQH LSN DHICYFL YQILRGLKYI H SANVLHRDL KPSNLLLNTT CDLKICDFGL ARVADPDHDH TGFLTEYVAT RWYRAPEIML NSKGYTKSID IWSVGCILAE MLSNRPIFPG KHYLDQLNHI LGILGSPSQE
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The MAPK1 solution contains 20 mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**