

Mitogen-Activated Protein Kinase Kinase 2 Human Recombinant

Item Number	rAP-1291
Synonyms	Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK 2, MAP2K2, MEK2, MKK2, PRKMK2, MAPKK2.
Description	MAP2K2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 424 amino acids (1-400 a.a.) and having a molecular mass of 46.9kDa. MAP2K2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P36507
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSFMLARRK PVLPAITNP TIAEGPSPTS EGASEANLVD LQKKLEE- LEL DEQQKKRLEA FLTQKAKVGE LKDDDFERIS ELGAGNGGVV TKVQHRPSGL IMARKLIHLE IKPAIRNQII RELQVLHECN SPYIVGFYGA FYSDGEISIC MEHMDGGSLD QVLKEAKRIP EEILGKVSIA VLRGLAYLRE KHQIMHRDVK PSNILVNSRG EIKLCDFGVS GQLIDSMANS FVGTRSYMAP ERLQGTHYSV QSDIWSMGLS LVELAVGRYP IPPPDAKELE AIFGRPVDG EEGEPHSISP RPRPPGRPVS GHGMDSRPAM AIFELLDYIV NEPPPKLPNG VFTPDFQEFV NKCLIKNP AE RADLK- MLTNH TFIKRSEVEE VDFAGWLCKT LRLNQPGTPT RTAV.
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	MAP2K2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol. Greater than 90.0% 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**