

Mitogen-Activated Protein Kinase 12 Human Recombinant

Item Number	rAP-1290
Synonyms	Mitogen-activated protein kinase 12, SAPK3, ERK6, PRKM12, Extracellular signal-regulated kinase 6, Mitogen-activated protein kinase p38 gamma, Stress-activated protein kinase 3, MAP kinase 12, MAP kinase p38 gamma, MAPK 12, ERK3, p38gamma, EC 2.7.11.24, E
Description	MAPK12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 387 amino acids (1-367 a.a.) and having a molecular mass of 44.1kDa. MAPK12 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P53778
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MSSPPPARSG FYRQEVTKTA WEVRVYRDL QPVGSGAYGA VCSAV-DGRTG AKVAIKKLYR PFQSELFAGR AYRELRLKKH MRHENVIGLL DVFTPDETLD DFTDFYLVMP FMGTDLGKLM KHEKLGEDRI QFLVYQMLKG LRYIHAAGII HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYYVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKTLFKGSD HLDQLKEIMK VTGTP-PAEFV QRLQSDEAKN YMKGLPELEK KDFASILTNA SPLAVNLLEK MLVLDAEQRV TAGEALAHYPY FESLHDEDE PQVQKYDDSF DDVDRTLDEW KRVTYKEVLS FKPPRQLGAR VSKETPL.
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	MAPK12 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE analysis.
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**