

## 32-3050: MAPK12 Recombinant Protein

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. 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. MAPK12 is a member of the MAP kinase family. MAPK12 acts as a signal transducer during differentiation of myoblasts to myotubes. p38 proteins utilizes magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins and is produced in several regions all over the body with common expression patterns in heart.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE analysis.  
**Content :** MAPK12 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol.  
**Storage condition :** 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 :** MGSSHHHHHH SGLVPRGSH MSSPPPARSG FYRQEVTKTA WEVRAVYRDL QPVGSGAYGA VCSAVDGRGTG AKVAIKKLYR PFQSELF AKR AYRELRL LKH MRHENVIGLL DVFTPD ETL D DFTDFYLVMP FMGTD LGKLM KHEKLGEDRI QFLVYQMLKG LRYIHAAGII HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYVVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKTLFKGSD HLDQLKEIMK VTGTPPAEFV QRLQSDEAKN YMKGLPELEK KDFASILTNA SPLAVN LLEK MLVLDAEQRV TAGEALAHPY FESLHDT EDE PQVQKYDDSF DDVDRTLDEW KRVTYKEVLS FKPPRQLGAR VSKETPL.

