

## 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 WEVRVYRDL QPVGSGAYGA VCSAVDGRGTG AKVAIKKLYR PFQSEFAKR AYRELRLLKH MRHENVIGLL DVFTPDETLD DFTDFYLVMP FMGTDLGKLM KHEKLGEDRI QFLVYQMLKG LRYIHAAGII HRDLKPGNLA VNEDCELKIL DFGLARQADS EMTGYVVTRW YRAPEVILNW MRYTQTVDIW SVGCIMAEMI TGKTLFKGSD HLDQLKEIMK VTGTPPAEFV QRLQSDEAKN YMKGLPELEK KDFASILTNA SPLAVNLLEK MLVLDAEQRV TAGEALAHYPY FESLHDEDE PQVQKYDDSF DDVDRTLDEW KRVTYKEVLS FKPPRQLGAR VSKETPL.

