32-3052: MAPK14 Recombinant Protein

Alternative Name : Mitogen-activated protein kinase 14,Mitogen-activated protein kinase p38 alpha,CSBP1,CSBP2,Mxi2,PRKM14,MAP kinase p38 alpha,MAX-interacting protein 2,EXIP,PRKM15,p38,Cytokine suppressive anti-inflammatory drug-binding protein,MAP kinase M

Description

Source : Escherichia Coli. MAPK14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 383 amino acids (1-360 a.a.) and having a molecular mass of 43.7kDa.MAPK14 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MAPK14 belongs to the MAP kinase family and is most associated with p38 MAP kinases(MAPKs). MAPKs are activated mainly as a reaction to cellular stress and inflammatory cytokines, and inhibitors that target the MAPK14 and MAPK11 have demonstrated ability to cure inflammatory disease. The substrates of this kinase contain transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which demonstrate the parts of MAPK14 in stress-related transcription, cell cycle regulation and genotoxic stress response.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE analysis.
Content :	MAPK14 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 1mM DTT, 100mM NaCl 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 SSGLVPRGSH MGSMSQERPT FYRQELNKTI WEVPERYQNL SPVGSGAYGS VCAAFDTKTG LRVAVKKLSR PFQSIIHAKR TYRELRLLKH MKHENVIGLL DVFTPARSLE EFNDVYLVTH LMGADLNNIV KCQKLTDDHV QFLIYQILRG LKYIHSADII HRDLKPSNLA VNEDCELKIL DFGLARHTDD EMTGYVATRW YRAPEIMLNW MHYNQTVDIW SVGCIMAELL TGRTLFPGTD HIDQLKLILR LVGTPGAELL KKISSESARN YIQSLTQMPK MNFANVFIGA NPLAVDLLEK MLVLDSDKRI TAAQALAHAY FAQYHDPDDE PVADPYDQSF ESRDLLIDEW KSLTYDEVIS FVPPPLDQEE MES.