

32-3055: MAPK3 His Recombinant Protein

Alternative Name : ERK1,HS44KDAP,HUMKER1A,P44ERK1,P44MAPK,PRKM3,MAP kinase3.

Description

Source : Escherichia Coli. MAPK3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 399 amino acids (1-379 a.a.) and having a molecular mass of 45.2 kDa. The MAPK3 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. MAPK3 is a part of the MAP kinase family which is recognized as extracellular signal-regulated kinases (ERKs), that function in a signaling cascade that controls various cellular procedures such as proliferation, differentiation, and cell cycle progression in reaction to a variety of extracellular signals. MAPK3 is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets.

Product Info

Amount : 25 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : The MAPK3 0.5mg/ml protein solution contains 20 mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol.

Storage condition : MAPK3 although stable 4C for 4 weeks, should be stored desiccated below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MAAAAAQGGG GGEPRTTEGV GPGVPGEVEM VKGQPFVGP
RYTQLQYIGE GAYGMVSSAY DHVRKTRVAI KKISPFEHQT YCQRTLREIQ ILLFRHENV IGIRDILRAS
TLEAMRDVYI VQDLMETDLY KLLKSQQLSN DHICYFLYQI LRGLKYIHS NVLHRDLKPS NLLINTTCDL
KICDFGLARI ADPEHDHTGF LTEYVATRWY RAPEIMLNSK GYTKSIDIWS VGCILAEMLS NRPIFGKHY
LDQLNHILGI LGSPSQEDLN CIINMKARNY LQSLPSKTKV AWAKLFPKSD SKALDLLDRM LTFNPNKRIT
VEEALAHPYL EQYYDPTDEP VAEEPFTFAM ELDDLPKERL KELIFQETAR FQPGVLEAP.

