

## 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

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	The MAPK3 0.5mg/ml protein solution contains 20 mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MAAAAAQGGG GGEP RRTEGV GPGVPGEVEM VKGQPFVGP RYTQLQYIGE GAYGMVSSAY DHVRKTRVAI KKISPFEHQT YCQRTLREIQ ILLRFRHENV IGIRDILRAS TLEAMRDVYI VQDLMETDLY KLLKSQQLSN DHICYFLYQI LRGLKYIHS A NVLHRDLKPS NLLINTTCDL KICDFGLARI ADPEHDHTGF LTEYVATRWY RAPEIMLNSK GYTKSIDIWS VGCILAEMLS NRPIFGKHY LDQLNHILGI LGSPSQEDLN CIINMKARNY LQSLPSKTKV AWAKLFPKSD SKALDLLDRM LTFNPNKRIT VEEALAHPYL EQYYDPTDEP VAEEPFTFAM ELDDLPKERL KELIFQETAR FQPGVLEAP.