

Product information

MAPK13, 1-365aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1285

Full name: Mitogen-activated protein kinase 13

NCBI Accession No.: NP_002745

Synonyms: MGC99536, p38delta, PRKM13, SAPK4

Description: MAPK13, also known as mitogen-activated protein kinase 13, is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. It is a related protein that is phosphorylated by MKK6 in response to cytokines and cellular stresses. Recombinant human MAPK13 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

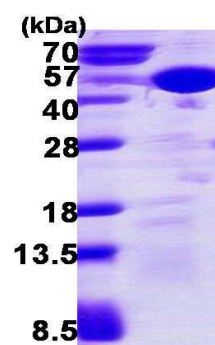
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

0.1M NaCl, 1mM DTT

Molecular Weight: 44.2 kDa (385aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSLIRKKGFY KQDVNKTAW E LPKTYVSPTH VGSGAYGSVC SAIDKRSGEK VAIKKLSRPF QSEIFAKRAY
 RELLLLKHMQ HENVIGLLDV FTPASSLRNF YDFYLVMPFM QTDLQKIMG M EFSEEKIQYL VYQMLKGLKY IHSAGVVHRD LKPGNLAVNE
 DCELKILDFG LARHADAEMT GYVVTRWYRA PEVILSWMHY NQTVDIWSVG CIMAEMLTGK TLFKGDYLD QLTQILKVTG VPGTEFVQKL
 NDKAAKSYIQ SLPQTPRKDF TQLFPRASPQ AADLLEKMLE LDVDKRLTAA QALTHPFFEP FRDPEEETEA QQPFDDSL EHKLTVD EWKQ
 HIYKEIVNFS PIARKDSRRR SGMKL

General references:

Nishida E. *et al.* (1993) *Trends Biochem. Sci.* 18: 128-131.

Wang X.S. *et al.* (1997) *J. Biol. Chem.* 272: 23668-23674.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.