

MAPK13, 1-365aa , Human, His tag E.coli

Cat.NO.: TP02903

3th Edition

Synonyms:Mitogen-activated protein kinase 13, 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.

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMSLIRKKGFYKQDVNKTAWELPKTYVSPTHVGSGAYGSVCSAIDKRSGEKVAIKK
LSRPFQSEIFAKRAYRELLLLKHMQHENVIGLLDVFTPASSLRNFYDFYLVMPFMQTDLQKIMGMEFSEEKIQYLVY
QMLKGLKYIHSAGVVHRDLKPGNLAVNEDCELKILDFGLARHADAEMTGYYVTRWYRAPEVILSWMHYNQTVDIW
SVGCIMAEMLTGKTLFKGKDYLDQLTQILKVTGVPGETFVQKLNDKAAKSYIQLPQTTPRKDFTQLFPRASPQAADL
LEKMLELDVVDKRLTAAQALHPFFEPFRDPEEETEAAQQPFDDSLHEKLTVDEWKQHIYKEIVNFSPIARKDSRRRS
GMKL

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.