

MAPK8, 1-427aa, Human, His tag, E.coli

Cat.NO.: TP02906

3th Edition

Synonyms:Mitogen-activated protein kinase 8 JNK beta 2 , JNK, JNK-46, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1, SAPK1c

Description:MAPK8 also known as mitogen-activated protein kinase 8 JNK beta 2. MAPK8 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. This is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. Recombinant human MAPK8, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffer Saline (pH7.4) containing 20% glycerol, 1mM DTT

Molecular Weight:50.5kDa (450aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMRSKRDNFYSVEIGDSTFTVLKRYQNLKPIGSGAQQGIVCAAYDAILERNV
AIKKLSRPFQNTAKRAYRELVLMKCVNHKNIIGLLNVFTPQKSLEEFQDVYIVMELMDANLCQVIQMELDHERMS
YLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTAGTSFMMPYVVTRYRRAPEVILGMGYKENVDI
WSVGCIMGEMIKGGVLFPGTDHIDQWNKVIEQLGTPCEFMKKLQPTVRYVENRPHYAGYSFEKLFDPVLFPADS
EHNKLKASQARDLLSKMLVIDASKRISVDEALQHPYINWYDPSEAEAPPKIPDKQLDEREHTIEEWKELIYKEVMD
LEERTKNGVIRGQPSPLGAAVINGSQHPSSSSSVNDVSSMSTDPTLASDTSLEAAAGPLGCCR

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.