

MAPK11, 1-364aa, Human, His tag, E.coli

Cat.NO.: TP02901

3th Edition

Synonyms:Mitogen-activated protein kinase 11, p38-2, P38B; p38Beta, P38BETA2, PRKM11, SAPK2, SAPK2B.

Description:MAPK11 (Mitogen-activated protein kinase 11) is a member of the MAP kinase family. This kinase is most closely related to p38 MAP kinases(MAPKs). MAPKs are activated primarily in response to inflammatory cytokines and cellular stress, and inhibitors which target the MAPK14 and MAPK11 have shown potential for the treatment of inflammatory disease. MAPK11 has been shown to interact with HDAC3 and Promyelocytic leukemia protein.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 100mM NaCl

Molecular Weight:43.8kDa (387aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGPRAGFYRQELNKTVWEVPQRLQGLRPVGSGAYGSVCSAYDARLRQK
VAVKKLSRPFQSLIHARRTYRELRLKHLKHENVIGLLDVFTPATSIEDFSEVYLVTTLMGADLNNIVKCQALSDEHVQ
FLVYQLLRGLKYIHSAGIIHRDLKPSNVAVNEDCELRIIDFGLARQADEEMTGYVATRWRAP EIMLNWMHYNQTVD
IWSVGCIMAELLQGKALFPGSDYIDQLKRIMEVVGTPSPEVLAKISSEHARTYIQLPMPQKDLSSIFRGANPLAIDL
LGRMLVLDSQRVSAEALAHAYFSQYHDPEDPEAEPYDESVEAKERTLEEWKELTYQEVLSFKPPEPPKPPGS
LEIEQ

Purity:> 95% by HPLC

Concentration:1mg/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.