MAP2K6, 53-314aa, Human, His tag, E.coli

Cat.NO.: TP02899

3th Edition

Synonyms: Mitogen-activated protein kinase kinase 6, MEK6, MKK6, MAPKK6, PRKMK6, SAPKK3

Description:MAP2K6 is a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, MAP2K6 is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. Recombinant human MAP2K6, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

Molecular Weight:32.0 kDa (383aa)

Sequences:
MGSSHHHHHHSSGLVPRGSHMLEPIMELGRGAYGVVEKMRHVPSGQIMAVKRIRATVNSQEQKRLLMDLDISMRT
VDCPFTVTFYGALFREGDVWICMELMDTSLDKFYKQVIDKGQTIPEDILGKIAVSIVKALEHLHSKLSVIHRDVKPSNV
LINALGQVKMCDFGISGYLVDEVAKEIDAGCKPYMAPERINPELNQKGYSVKSDIWSLGITMIELAILRFPYDSWGTP
FQQLKQVVEEPSPQLPADKFSAEFVDFTSQCLKKNSKERPTYPELMQHPFF

Purity:> 95% by HPLC

Concentration:0.25 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.