MAP2K3, 1-318aa, Human, His tag, E.coli

Cat.NO.: TP02897

3th Edition

Synonyms: Dual specificity mitogen-activated protein kinase kinase 3, MAPKK3, MEK3, MKK3, PRKMK3

Description:MAP2K3, also known as dual specificity mitogen-activated protein kinase kinase 3, is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter.

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

Molecular Weight:38.3 kDa (338aa), confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMSKPPAPNPTPPRNLDSRTFITIGDRNFEVEADDLVTISELGRGAYGVVEKVRHA
QSGTIMAVKRIRATVNSQEQKRLLMDLDINMRTVDCFYTVTFYGALFREGDVWICMELMDTSLDKFYRKVLDKNMTI
PEDILGEIAVSIVRALEHLHSKLSVIHRDVKPSNVLINKEGHVKMCDFGISGYLVDSVAKTMDAGCKPYMAPERINPE
LNQKGYNVKSDVWSLGITMIEMAILRFPYESWGTPFQQLKQVVEEPSPQLPADRFSPEFVDFTAQCLRKNPAERM
SYLELMEHPFFTLHKTKKTDIAAFVKEILGEDS

Purity:> 95% by HPLC

Concentration:1 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.