

MAP2K6, 1-334aa, Human, His tag, Insect cell

Cat.NO.: TP02898

3th Edition

Synonyms:Dual specificity mitogen-activated protein kinase kinase 6 , MAPKK6, MEK6, MKK6, PRKMK6, SAPKK-3, SAPKK3

Description:MAP2K6, also known as dual specificity mitogen-activated protein kinase kinase 6, 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, this gene 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 C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In phosphate buffered saline (pH7.4), 20% glycerol.

Molecular Weight:38.3kDa (340aa) confirmed by MALDI-TOF. 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

MSQSKGKKRNPGLKIPKEAFEQPQTSSTPPRDLDKACISIGNQNFEVKADDLEPIMELGRGAYGVVEKMRHVPSG
QIMAVKRIRATVNSQEQKRLMLDLDISMRTVDCPFTVTFYGFALFREGDVWICMELMDTSLDKFYKQVIDKGQTIPEDI
LGKIAVSIVKALEHLHSLKLSVIHRDVKPSNVLINALGQVKMCDFGISGYLVDSVAKTIDAGCKPYMAPERINPELNQKG
YSVKSDIWSLGITMIELAILRFPYDSWGTPFQQLKQVVEEPSPQLPADKFSAEFVDFTSQCLKKNKERPTYPELMQ
HPFFTLHESKGTDVASFVKLILGDHHHHHH

Purity:> 95% by HPLC

Concentration:1 mg/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.