32-6986: MAP2K1 Human

Alternative Name : MAP2K1, MEK1, PRKMK1, MKK1, MAPKK 1, MAP kinase kinase 1.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
The MAP2K1 protein is encoded by the MAP2K1 gene. This enzyme serves as a MAP (mitogen activated protein) kinase, it is a part of the dual specificity protein kinase family. Extracellular signal-regulated kinases such as MAP kinases has an important role in assimilation of various biochemical signals. MAP2K1 is located upstream to the MAP kinases and activates them by multiple intra and extracellular signals. The enzyme serves as a key factor in the signal transduction pathway of MAP kinase, therefore it takes part in the cell development (transcription regulation, proliferation, differentiation etc.).
MAP2K1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 402 amino acids (1-393a.a.) and having a molecular mass of 44.5kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).MAP2K1 is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 μg / 5 μg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	MAP2K1 protein solution (0.25mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPMPKKKPT PIQLNPAPDG SAVNGTSSAE TNLEALQKKL EELELDEQQR KRLEAFLTQK QKVGELKDDD FEKISELGAG NGGVVFKVSH KPSGLVMARK LIHLEIKPAI RNQIIRELQV LHECNSPYIV GFYGAFYSDG EISICMEHMD GGSLDQVLKK AGRIPEQILG KVSIAVIKGL TYLREKHKIM HRDVKPSNIL VNSRGEIKLC DFGVSGQLID SMANSFVGTR SYMSPERLQG THYSVQSDIW SMGLSLVEMA VGRYPIPPPD AKELELMFGC QVEGDAAETP PRPRTPGRPL SSYGMDSRPP MAIFELLDYI VNEPPPKLPS GVFSLEFQDF VNKCLIKNPA ERADLKQLMV HAFIKRSDAE EVDFAGWLCS TIGLNQPSTP THAAGVHHHH HH.