

**Recombinant Human MAP2K1 (Sf9)**

Catalog Number	Size
AG315-20	20ug
AG315-100	100ug
AG315-B	Bulk

Specifications and Use**Description**

Recombinant human mitogen-activated protein kinase kinase 1 (MAP2K1/MEK1) produced in Sf9 cells is a single polypeptide chain with a 6His tag at the N-terminus. It contains 405 (12+393) amino acids, and having a predicted molecular mass of approximately 44.7kD, but migrates in SDS-PAGE with an apparent molecular mass of 50kD.

MAHHHHHHASGGMPKKKPTPIQLNPAPDGSVNGTSSAETNLEALQKKLE
ELELDEQQRKRLEAFLTQKQKVGELKDDDFEKISELGAGNGGVVFKVSHK
PSGLVMARKLIHLEIKPAIRNQIIRELQVLHECNSPYIVGFYGAIFYSDGE
ISICMEHMDGGSLDQVLKKAGRIPEQILGKVSIAVIKGLTYLREKHKIMH
RDVKPSNILVNSRGEIKLCDFGVSGQLIDSMANSFVGTRSYMSPERLQGT
HYSVQSDIWSMGLSLVEMAVGRYPPIPPDAKELELMFGCQVEGDAAETPP
RPRTPGRPLSSYGMDSRPPMAIFELLDYIVNEPPPKLPSGVFSLEFQDFV
NKCLIKNPAERADLKQLMVHAFIKRSDAEEVDFAGWLCSTIGLNQPSTPT
HAAGV

Accession Number

NM_002755

Source

Baculovirus

Molecular Mass

~45kDa

Purity

≥90%, as determined by SDS-PAGE

Biological Activity

In addition to being a member of the dual specificity protein kinase family, MAP2K1 also acts as an integration point for multiple biochemical signals in signal transduction pathway. Recombinant human MAP2K1 (or MEK1) protein is ideal for the studies of protein phosphorylation and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% Glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA

Storage

The protein sample can be stored under sterile conditions at 2- 8oC for one month or at -70oC for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles**Special Notes****FOR RESEARCH ONLY**