

32-3045: MAP2K3 Recombinant Protein

Alternative Name : Dual specificity mitogen-activated protein kinase kinase 3,MAP kinase kinase 3,MAPKK 3,MAPK/ERK kinase 3,MEK 3,MAP2K3,MEK3,MKK3,PRKMK3.

Description

Source : Escherichia Coli. MAP2K3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 338 amino acids (1-318) and having a molecular mass of 38.3kDa. MAP2K3 is fused to 20 a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques. Dual specificity mitogen-activated protein kinase kinase 3 (MAP2K3) is a dual specificity protein kinase which is a member of the MAP kinase kinase family. MAP2K3 is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. MAP2K3 phosphorylates and consequently activates MAPK14/p38-MAPK. The MAP2K3 kinase can be activated by insulin, and is essential for the expression of glucose transporter.

Product Info

Amount : 5 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : MAP2K3 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
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 : MGSSHHHHHH SSSLVPRGSH MSKPPAPNPT PPRNLDSRTF ITIGDRNFEV EADDLVTISE LGRGAYGVVE KVRHAQSGTI MAVKRIRATV NSQEQKRLLM DLDINMRTVD CFYTVTFYGA LFREGDVVIC MELMDTSLDK FYRKVLKDNM TIPEDILGEI AVSIVRALEH LHSKLSVIHR DVKPSNVLIN KEGHVKMCDF GISGYLVDSV AKTMDAGCKP YMAPERINPE LNQKGYNVKS DVWSLGITMI EMAILRFPYE SWGTQPFQQL QVVEEPPQL PADRFSPFV DFTAQCLRKN PAERMSYLEL MEHPFFTLHK TKKTDIAAFV KEILGEDS.