
Product Data Sheet

Product Name: MAP2K3 Human
 Cat. No.: GP22545
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Dual specificity mitogen-activated protein kinase kinase 3; MAP kinase kinase 3; MAPKK 3; MAPK/ERK kinase 3; MEK 3; MAP2K3; MEK3; MKK3; PRKMK3. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MSKPPAPNPT PPRNLDSRTF ITIGDRNFEV EADDLVTISE LGRGAYGVVE KVRHAQSGTI MAVKRIRATV NSQEQKRLLM DLDINMRTVD CFYTVTFYGA LFREGDVWIC MELMDTSLDK FYRKVLDKNM TIPEDILGEI AVSIVRALEH LHSKLSVIHR DVKPSNVLIN KEGHVKMCDF GISGYLVDSV AKTMDAGCKP YMAPERINPE LNQKGYNVKS DVWSLGITMI EMAILRFPYE SWGTPFQQLK QVVEEPSPQL PADRFSPFV DFTAQCLRKN PAERMSYLEL MEHPFFTLHK TKKTDIAAFV KEILGEDS. | | |
| Formulation | MAP2K3 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. | | |

Introduction

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.

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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