

## MAP2K3 Human

**Description:** 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.

Catalog #:PKPS-011

For research use only.

**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.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSKPPAPNPT PPRNLSRTF  
ITIGDRNFEV EADDLVTISE LGRGAYGVVE KVRHAQSGTI MAVKRIRATV NSQEQKRLLM  
DLINMRTVD CFYTVTFYGA LFREGDVWIC MELMDTSLDK FYRKVLKDNM TIPEDILGEI  
AVSIVRALEH LHSKLSVIHR DVKPSNVLIN KEGHVKMCDG GISGYLVDSV AKTMDAGCKP  
YMAPERINPE LN

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

MAP2K3 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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. The MAP2K3 kinase can be activated by insulin, and is essential for the expression of glucose transporter.

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