
Product Data Sheet

Product Name: MAP2K6 Human
 Cat. No.: GP22546
 Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Mitogen-Activated Protein Kinase Kinase 6; PRKMK6; MEK6; MKK6; Stress-Activated Protein Kinase Kinase 3; MAPK/ERK Kinase 6; SAPK Kinase3; EC 2.7.12.2; MAPKK; SAPKK; SAPKK3; MEK 6; Protein Kinase; Mitogen-Activated; Kinase 6 (MAP Kinase Kinase 6); Dual Specificity Mitogen-Activated Protein Kinase Kinase 6; Kinase 6 (MAP Kinase Kinase 6); MAP Kinase Kinase6; Mitogen-Activated; Protein Kinase; SKK3. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MLEPIMELGR GAYGVVEKMR HVPSGQIMAV KRIRATVNSQ EQKRLMDLD ISMRTVDCPFTVTFYGALFR EGDVWICMEL MDTSLDKFYK QVIDKGQTIP EDILGKIAVS IVKALEHLHS KLSVIHRDVKPSNVLINALG QVKMCDFGIS GYLVDVAKE IDAGCKPYMA PERINPELNQ KGYSVKSDIW SLGITMIELAILRFPYDSWG TPFQQLKQVV EEPSPQLPAD KFSAEFVDFT SQCLKKNSKE RPTYPELMQH PFF. | | |
| Formulation | MAP2K6 protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol. | | |

Introduction

Mitogen-Activated Protein Kinase 6 (MAP2K6) is a part of the dual specificity protein kinase family. MAP2K6 phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. MAP2K6 is a vital component of the MAP kinase signal transduction pathway. MAP2K6 takes part in various cellular processes such as stress induced cell cycle arrest and apoptosis.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MAP2K6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 283 amino acids (53-314 a.a) and having a molecular mass of 32kDa. MAP2K6 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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