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**Product Data Sheet**


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Product Name: MAP2K6 Human, sf9

Cat. No.: GP22547

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Angiopoietin-1 receptor; Endothelial tyrosine kinase; HYK; STK1; Tunica interna endothelial cell kinase; Tyrosine kinase with Ig and EGF homology domains-2; Tyrosine-protein kinase receptor TEK; Tyrosine-protein kinase receptor TIE-2; mTIE2; p140 TEK; CD202b.		
Amino Acid Sequence	MSQSKGKKRN PGLKIPKEAF EQPQTSSTPP RDLDSKACIS IGNQNFEVKA DDLEPIMELG RGAYGVVEKM RHVPSGQIMA VKRIRATVNS QEQKRLMLDL DISMRTVDCP FTVTFYGALF REGDVVICME LMDTSLDKFY KQVIDKGQTI PEDILGKIAV SIVKALEHLH SKLSVIHRDV KPSNVLINAL GQVKMCDFGI SGYLVDSVAK TIDAGCKPYM APERINPELN QKGYSVKSDI WSLGITMIEL AILRFPYDSW GTPFQQLKQV VEEPSPQLPA DKFSAEFVDF TSQCLKKNSK ERPTYPELMQ HPFFTLHESK GTDVASFVKL ILGDHHHHHH.		
Formulation	MAP2K6 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% 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% HSA or BSA). Avoid multiple freeze-thaw cycles.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

MAP2K6 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 340 amino acids (1-334 a.a.) and having a molecular mass of 38.3kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). MAP2K6 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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