
Product Data Sheet

Product Name: MAPK13 Human

Cat. No.: GP22554

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance

solid

Shipping
Condition Shipped with Ice Packs.

Synonyms

Mitogen-activated protein kinase 13; PRKM13; SAPK4; p38delta; Mitogen-activated protein kinase p38 delta; Stress-activated protein kinase 4; MAP kinase 13; MAP kinase p38 delta; EC 2.7.11.24.

Amino Acid
Sequence

MGSSHHHHHH SGLVPRGSH MSLIRKKGfy QQDVNKTawe LPKTYVSPth
 VGSGAYGSVC SAIDKRSgek VAIKLSRPF QSEIFAKRAY RELLLLKHMq
 HENVIGLLDV FTPASSLRNF YDFYLVMPFM QTDLQKIMGm EFSEEKIQYL
 VYQMLKGLKY IHSAGVVHRD LKPGNLAVNE DCELKILDFG LARHADAEMT
 GYVVTRWYRA PEVILSWMHY NQTVDIWSVG CIMAEMLTGK TLFKGKDYLD
 QLTQILKVTG VPGTEFVQKL NDKAAKSYIQ SLPQTPRKDF TQLFPRASPQ
 AADLLEKMLE LDVDKRLTAA QALTHPFFEP FRDPEEETEA QQPFDSDSLEH
 EKLTVDEWKQ HIYKEIVNFS PIARKDSRRR SGMKL.

Formulation

The MAPK13 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.

Introduction

MAPK13 belongs to the MAP kinase family. MAP kinases perform as an incorporation point for various biochemical signals. MAP kinases take part in an extensive range of cellular courses like differentiation, development, transcription regulation and proliferation. MAPK13 is phosphorylated by MKK6 as a reaction to cytokines and cellular stresses.

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

MAPK13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 385 amino acids (1-365) and having a molecular mass of 44.2 kDa. MAPK13 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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