
Product Data Sheet

Product Name: MAPK10 Human

Cat. No.: GP22551

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms C-Jun N-Terminal Kinase 3; MAP Kinase P49 3F12; MAP Kinase 10; PRKM10; SAPK1b; JNK3A; JNK3.

Amino Acid Sequence
 MSLHFLYYCS EPTLDVKIAF CQGFDKQVDV SYIAKHYNMS KSKVDNQFYS
 VEVGDSTFTV LKRYQNLKPI GSGAQGIVCA AYDAVLDRNV AIKKLSRPFQ
 NQTHAKRAYR ELVLMKCVNH KNIISLLNVF TPQKTLEEFQ DVYLVMEMLD
 ANLCQVIQME LDHERMSYLL YQMLCGIKHL HSAGIIHRDL KPSNIVVKSD
 CTLKILDFGL ARTAGTSFMM TPYVVTRYR APEVILGMGY KENVDIWSVG
 CIMGEMVRHK ILFPGRDYID QWNKVIEQLG TPCPEFMKKL QPTVRNYVEN
 RPKYAGLTFP KLFPSLFP DSEHNKLGAS QARDLLSKML VIDPAKRISV
 DDALQHPYIN VWYDPAEVEA PPPQIYDKQL DEREHTIEEW KELIYKEVMN
 SEEKTKNGVV KGQPSPSGAA VNSSESLPPS SSVNDISSMS TDQTLASDTD
 SSLEASAGPL GCCRHHHHHH.

Formulation MAPK10 is protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4), 30% glycerol, 1mM DTT and 0.1mM PMSF.

Introduction

MAPK10 is part of the MAP kinase protein family. MAP Kinases perform as assimilation point for many biochemical pathways. The enzyme also takes part in wide range of cellular pathways: differentiation, proliferation, development and transcription regulation.

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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Background

MAPK10 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 470 amino acids (1-464 a.a.) and having a molecular mass of 53.4kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). MAPK10 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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