Datasheet for ABIN7596399

MAPK10 Protein (AA 1-464) (His tag)

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Overview

Quantity:	250 µg
Target:	MAPK10
Protein Characteristics:	AA 1-464
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPK10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSLHFLYYCS EPTLDVKIAF CQGFDKQVDV SYIAKHYNMS KSKVDNQFYS VEVGDSTFTV LKRYQNLKPI GSGAQGIVCA AYDAVLDRNV AIKKLSRPFQ NQTHAKRAYR ELVLMKCVNH KNIISLLNVF TPQKTLEEFQ DVYLVMELMD ANLCQVIQME LDHERMSYLL YQMLCGIKHL HSAGIIHRDL KPSNIVVKSD CTLKILDFGL ARTAGTSFMM TPYVVTRYYR APEVILGMGY KENVDIWSVG CIMGEMVRHK ILFPGRDYID QWNKVIEQLG TPCPEFMKKL QPTVRNYVEN RPKYAGLTFP KLFPDSLFPA DSEHNKLKAS QARDLLSKML VIDPAKRISV DDALQHPYIN VWYDPAEVEA PPPQIYDKQL DEREHTIEEW KELIYKEVMN SEEKTKNGVV KGQPSPSGAA VNSSESLPPS SSVNDISSMS TDQTLASDTD SSLEASAGPL GCCR
Purity:	> 85% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	MAPK10
Alternative Name:	JNK3/MAPK10 (MAPK10 Products)
Background:	MAPK10, also known as mitogen-activated protein kinase 10, is a member of the MAP kinase family. This group of protein kinases includes at least 10 members that interact selectively with ATF2, Jun and Elk-i transcription factors. It acts as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This protein is a neuronal-specific form of c-Jun N-terminal kinases (JNKs). Through its phosphorylation and nuclear localization, this kinase plays regulatory roles in the signaling pathways during neuronal apoptosis. Also, expression of multiple JNK isoforms provides a mechanism for the generation of tissue-specific responses to the activation of the JNK signal transduction pathway. Recombinant human MAPK10, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	53.4 kDa (470aa)
NCBI Accession:	NP_620448
Pathways:	MAPK Signaling, WNT Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

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