

Recombinant human JNK1 protein

Catalog Number: ATGP3120

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-427aa

UniProt No.

P45983

NCBI Accession No.

NP_001265476

Alternative Names

Mitogen-activated protein kinase 8 JNK beta 2, JNK, JNK-46, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1, SAPK1c

PRODUCT SPECIFICATION

Molecular Weight

50.5 kDa (450aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

MAPK8 also known as mitogen-activated protein kinase 8 JNK beta 2. MAPK8 is a member of the MAP kinase family. MAP kinases act 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 is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. Recombinant human MAPK8, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMSRSKRD NNFYSVEIGD STFTVLKRYQ NLKPIGSGAQ GIVCAAYDAI LERNVAIKKL
SRPFQNTQA KRAYRELVLM KCVNHKNIIG LLNVFTPOKS LEEFQDVYIV MELMDANLCQ VIQMEDHER MSYLLYQMLC
GIKHLHSAGI IHRDLKPSNI VVKSDDLTKI LDFGLARTAG TSFMMTPYVV TRYRRAPEVI LGMGYKENVD IWSVGCIMGE
MIKGGVLFPG TDHIDQWNKV IEQLGTPCPE FMKKLQPTVR TYVENRPKYA GYSFEKLPD VLFPADSEHN KLKASQARDL
LSKMLVIDAS KRISVDEALQ HPYINVWYDP SEAEAPPKI PDKQLDEREH TIEEWKELIY KEVMDLEERT KNGVIRGQPS
PLGAAVINGS QHPSSSSSVN DVSSMSTDPT LASDTSLSLE AAAGPLGCCR

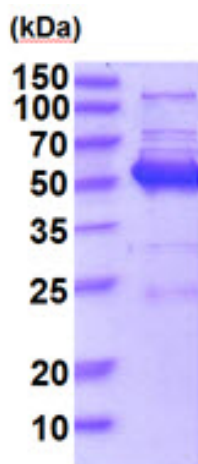
General References

Jha A., et al. (2014) EMBO J. 33 (5), 501-511

Misheva M., et al. (2014) Biochim. Biophys. Acta 1843 (2), 253-264

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)