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

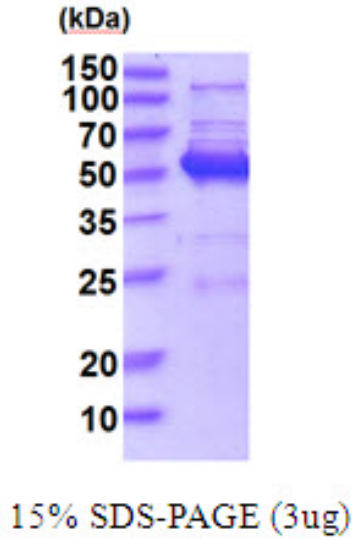
MGSSHHHHHH SSGLVPRGSH MGSMSRSKRD NNFYSVEIGD STFTVLKRYQ NLKPIGSGAQ GIVCAAYDAI LERNVAIKKL SRPFQNQTHA KRAYRELVLM KCVNHKNIIG LLNVFTPQKS LEEFQDVYIV MELMDANLCQ VIQMELDHER MSYLLYQMLC GIKHLHSAGI IHRDLKPSNI VVKSDCTLKI LDFGLARTAG TSFMMTPYVV TRYYRAPEVI LGMGYKENVD IWSVGCIMGE MIKGGVLFPG TDHIDQWNKV IEQLGTPCPE FMKKLQPTVR TYVENRPKYA GYSFEKLFPD VLFPADSEHN KLKASQARDL LSKMLVIDAS KRISVDEALQ HPYINVWYDP SEAEAPPPKI PDKQLDEREH TIEEWKELIY KEVMDLEERT KNGVIRGQPS PLGAAVINGS QHPSSSSSVN DVSSMSTDPT LASDTDSSLE 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



15% SDS-PAGE (3ug)

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