

Recombinant human JNK2/MAPK9 protein

Catalog Number: ATGP1649

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-382aa

UniProt No.

P45984

NCBI Accession No.

NP_620707.1

Alternative Names

Mitogen-activated protein kinase 9, JNK-55, JNK2, JNK2A, JNK2ALPHA, JNK2B, JNK2BETA, p54a, p54aSAPK, PRKM9, SAPK, SAPK1a

PRODUCT SPECIFICATION

Molecular Weight

46.6 kDa (406aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% 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

Mitogen-activated protein kinase 9, also known as MAPK9, 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. MAPK9, when active as a dimer, can translocate to the nucleus and regulate transcription through its effects on c-Jun, ATF-2, and other transcription factors. Recombinant human MAPK9 protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSSLVPRGSH MGSH>MSDSKC DSQFYSVQVA DSTFTVLKRY QQLKPIGSGA QGIVCAAFDT
VLGINVAVKK LSRPFQNTQTH AKRAYRELV LKCVNHKNII SLLNVFTPOK TLEEFQDVYL VMELMDANLC QVIHMELDHE
RMSYLLYQML CGIKHLHSAG IHRDLKPSN IVVKS DCTLK ILDFGLARTA CTNFMMPYV VTRYRAPEV ILGMGYKENV
DIWSVGCIMG ELVKGCVIFQ GTDHIDQWNK VIEQLGTPSA EFMKKLQPTV RNYVENRPKY PGIKFEELFP DWIFPSESER
DKIKTSQARD LLSKMLVIDP DKRISVDEAL RHPYITVWYD PAEAEAPPPQ IYDAQLEERE HAIEEWKELI YKEVMDWEER
SKNGVVKDQP SAQMQQ

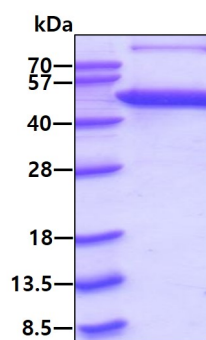
General References

Kyriakis J M., et al. (1999) J Biol Chem. 274: 5259-62

Whitmarsh., et al. (1998) Trends Biochem Sci. 23: 481-5.

DATA

SDS-PAGE



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