

Product datasheet for AR51940PU-S

OriGene Technologies, Inc.

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MAPK8 / JNK1 (1-427, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: MAPK8 / JNK1 (1-427, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MGSMSRSKRD NNFYSVEIGD STFTVLKRYQ NLKPIGSGAQ or AA Sequence:

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

Tag: His-tag Predicted MW: 50.5 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: Phosphate Buffer Saline (pH 7.4) containing 20% glycerol, 1 mM DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human MAPK8, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001265476

5599 Locus ID:

UniProt ID: P45983





Cytogenetics: 10q11.22

Synonyms: Mitogen-activated protein kinase 8, c-Jun N-terminal kinase 1, JNK-46, JNK-1, PRKM8

Summary: The protein encoded by this gene 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 kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spliced transcript

variants encoding distinct isoforms have been reported. [provided by RefSeq, Apr 2016]

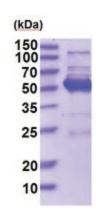
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

Protein Pathways: Adipocytokine signaling pathway, Colorectal cancer, Epithelial cell signaling in Helicobacter

pylori infection, ErbB signaling pathway, Fc epsilon RI signaling pathway, Focal adhesion, GnRH signaling pathway, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, Toll-

like receptor signaling pathway, Type II diabetes mellitus, Wnt signaling pathway

Product images:



15% SDS-PAGE (3ug)