

Product datasheet for **AR50473PU-S**

MAPK9 / JNK2 (1-382, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MAPK9 / JNK2 (1-382, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSDSKC DSQFYSVQVA DSTFTVLKRY QQLKPIGSGA QGIVCAAFDT VLGINVAVKK LSRPFQNTQTH AKRAYRELV LKCVNHKNII SLLNVFTPQK TLEEFQDVYL VMELMDANLC QVIHMELDHE RMSYLLYQML CGIKHLHSAG IHRDLKPSN IVKSDCTLK ILDFGLARTA CTNFMMPYV VTRYRAPEV ILGMGYKENV DIWSVGCIMG ELVKGCVIFQ GTDHIDQWNK VIEQLGTPSA EFMKKLQPTV RNYVENRPKY PGIKFEELFP DWIFPSESER DKIKTSQARD LLSKMLVIDP DKRISVDEAL RHPYITVWYD PAEAEAPPPQ IYDAQLEERE HAIEEWKELI YKEVMDWEER SKNGVVKDQP SAQMQQ
Tag:	His-tag
Predicted MW:	46.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAPK9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001128516
Locus ID:	5601
UniProt ID:	P45984
Cytogenetics:	5q35.3



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Synonyms: JNK-55; JNK2; JNK2A; JNK2ALPHA; JNK2B; JNK2BETA; p54a; p54aSAPK; PRKM9; SAPK; SAPK1a

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 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Sep 2008]

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, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Type II diabetes mellitus, Wnt signaling pathway

Product images:

