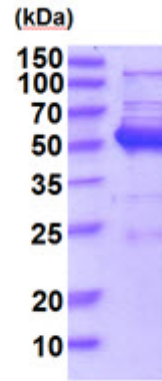


**AR51940PU-S****Human MAPK8 / JNK1 (1-427, His-tag) - Purified**

<b>Alternate names:</b>	JNK-1, JNK-46, Mitogen-activated protein kinase 8, PRKM8, Stress-activated protein kinase JNK1, c-Jun N-terminal kinase 1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml (determined by absorbance at 280nm)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P45983</a>
<b>NCBI:</b>	<a href="#">NP_001265476</a>
<b>GeneID:</b>	<a href="#">5599</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >85% by SDS - PAGE <b>Buffer System:</b> Phosphate Buffer Saline (pH7.4) containing 20% glycerol, 1mM DTT.
<b>Description:</b>	Recombinant human MAPK8, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> MGSSHHHHHH SSGLVPRGSH MGSMSRSKRD NNFYSVEIGD STFTVLKRYQ NLKPIGSGAQ GIVCAAYDAI LERNVAIKKL SRPFQNTA KRAYRELVLM KCVNHKNIIG LLNVFTPOKS LEEFQDVYIV MELMDANLCQ VIQMELDHER MSYLLYQMLC GIKHLHSAGI IHRDLKPSNI VVKSDCTLKI LDFGLARTAG TSFMTPYVY TRYRRAPEVI LGMGYKENVD IWSVGCIMGE MIKGGVLFPG TDHIDQWNKV IEQLGTPCPE FMKKLQPTVR TYVENRPKYA GYSFEKLFDP VLFPADSEHN KLKASQARDL LSKMLVIDAS KRISVDEALQ HPYINWYDP SEAEAPPPKI PDKQLDEREH TIEEWKELIY KEVMDLEERT KNGVIRGQPS PLGAAVINGS QHPSSSSSVN DVSSMSTDPT LASDTSSLE AAAGPLGCCR <b>Molecular weight:</b> 50.5 kDa (450aa)
<b>Storage:</b>	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. Shelf life: one year from despatch.
<b>General Readings:</b>	Jha A., et al. (2014) EMBO J. 33 (5), 501-511 Misheva M., et al. (2014) Biochim. Biophys. Acta 1843 (2), 253-264

Pictures:



15% SDS-PAGE (3ug)