

## Product datasheet for **AR50124PU-S**

### MAP kinase p38 beta / MAPK11 (1-364, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MAP kinase p38 beta / MAPK11 (1-364, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSGPRAG FYRQELNKTV WEVPQRLQGL RPYGSGAYGS VCSAYDARLR QKVAVKKLSR PFQSLIHARR TYRELRLKH LKHENVIGLL DVFTPATSIE DFSEVYLVT LMGADLNNIV KCQALSDEHV QFLVYQLLRG LKYIHSAGII HRDLKPSNVA VNEDCELRL DFLGARQADE EMTGYVATRW YRAPEIMLNW MHYNQTVDIW SVGCIMAELL QGKALFPGSD YIDQLKRIME VVGTPSPEVL AKISSEHART YIQSLPPMPQ KDLSSIFRGA NPLAIDLLGR MLVLDSQQRV SAAEALAHAY FSQYHDPED PEAPYDESV EAKERTLEEW KELTYQEVLS FKPPEPPKPP GSLEIEQ
Tag:	His-tag
Predicted MW:	43.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAPK11 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:	<a href="#">NP_002742</a>
Locus ID:	5600
UniProt ID:	<a href="#">Q15759</a>
Cytogenetics:	22q13.33



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**Synonyms:** p38-2; P38B; p38Beta; P38BETA2; PRKM11; SAPK2; SAPK2B

**Summary:** This gene encodes a member of a family of protein kinases that are involved in the integration of biochemical signals for a wide variety of cellular processes, including cell proliferation, differentiation, transcriptional regulation, and development. The encoded protein can be activated by proinflammatory cytokines and environmental stresses through phosphorylation by mitogen activated protein kinase kinases (MKKs). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]

**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Amyotrophic lateral sclerosis (ALS), Epithelial cell signaling in Helicobacter pylori infection, Fc epsilon RI signaling pathway, GnRH signaling pathway, Leukocyte transendothelial migration, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway, VEGF signaling pathway

### Product images:

