

Product datasheet for **AR50110PU-N**

MAP kinase p38 delta / MAPK13 (1-365, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MAP kinase p38 delta / MAPK13 (1-365, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSLIRKKGFY KQDVNKTAW E LPKTYVSPTH VGSGAYGSVC SAIDKRSGEK VAIKKLSRPF QSEIFAKRAY RELLLLKHMQ HENVIGLLDV FTPASSLRNF YDFYLVMPFM QTDLQKIMGM EFSEEKIYQL VYQMLKGLKY IHSAGVHRD LKPGNLAVNE DCELKILDFG LARHADAEMT GYVTRWYRA PEVILSWMHY NQTVDIWSVG CIMAEMLTGK TLFKGKDYLD QLTQILKVTG VPGTEFVQKL NDKAAKSYIQ SLPQTPRKDF TQLFPRASPQ AADLLEKMLE LDVDKRLTAA QALTHPFFEP FRDPEEETEA QQPFDDSL EHKLTVD EWKQ HIYKEIVNFS PIARKDSRRR SGMKL
Tag:	His-tag
Predicted MW:	44.2 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 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAPK13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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_002745
Locus ID:	5603
UniProt ID:	O15264
Cytogenetics:	6p21.31


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Synonyms:	Mitogen-activated protein kinase 13, Stress-activated protein kinase 4, p38 delta, PRKM13, SAPK4
Summary:	This gene encodes a member of the mitogen-activated protein (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. The encoded protein is a p38 MAP kinase and is activated by proinflammatory cytokines and cellular stress. Substrates of the encoded protein include the transcription factor ATF2 and the microtubule dynamics regulator stathmin. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]
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:
