

Product datasheet for **AR09745PU-L**

MAP2K1IP1 (1-124, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MAP2K1IP1 (1-124, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MADDLKRFLY KKLPSVEGLH AIVSDRDGV PVIKVANDNA PEHALRPGFL STFALATDQG SKLGLSKNKS IICYNTYQV VQFNRLPLVV SFIASSANT GLIVSLEKEL APLFEELRQV VEVS
Tag:	His-tag
Predicted MW:	15.8 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5 mM DTT, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MAPKSP1 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001230665</u>
Locus ID:	8649
UniProt ID:	<u>Q9UHA4</u>
Cytogenetics:	4q23
Synonyms:	MAP2K1IP1; MAPBP; MAPKSP1; MP1; PRO0633; Ragulator3



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Summary:

This gene encodes a scaffold protein that functions in the extracellular signal-regulated kinase (ERK) cascade. The protein is localized to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2. Studies of the orthologous gene in mouse indicate that it regulates late endosomal traffic and cell proliferation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 13. [provided by RefSeq, Aug 2011]

Protein Families:

Druggable Genome

Protein Pathways:

MAPK signaling pathway

Product images: