

## Product datasheet for **AR50217PU-N**

### DUSP10 / MKP5 (149-482, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	DUSP10 / MKP5 (149-482, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMIIYPN DLAKKMTKCS KSHLPSQGPV IIDCRPFMEY NKSHIQGAVH INCADKISRR RLQQGKITVL DLISCREGKD SFKRIFSKEI IVYDENTNEP SRVMPSQPLH IVLESLKREG KEPLVLKGGI SSFKQNHENL CDNSLQLQEC REVGGGASAA SLLPQPIPT TPDIAEALT PILPFLFLGN EQDAQDLDTM QRLNIGYVIN VTTHLPLYHY EKGLFNYKRL PATDSNKQNL RQYFEEAFEF IEEAHQCGKG LLIHCQAGVS RSATIVIAYL MKHTRMTMTD AYKFVKGKRP IIPNLNFMG QLLEFEEDLN NGVTPRILTP KLMGVETVV
Tag:	His-tag
Predicted MW:	40.4 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, 50% glycerol, 200 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human DUSP10 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_009138</a>
Locus ID:	11221
UniProt ID:	<a href="#">Q9Y6W6</a>
Cytogenetics:	1q41



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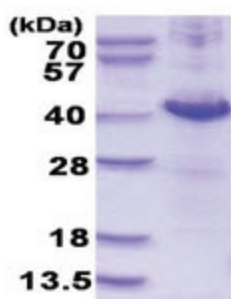
**Synonyms:** MKP-5; MKP5

**Summary:** Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAP kinases, different tissue distribution and subcellular localization, and different modes of expression induction by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

**Protein Families:** Druggable Genome, Phosphatase

**Protein Pathways:** MAPK signaling pathway

**Product images:**



15% SDS-PAGE (3ug)