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Product datasheet for AR50478PU-N

DUSP13 (1-198, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	DUSP13 (1-198, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMDSLQK QDLRRPKIHG AVQASPYQPP TLASLQRLLW VRQAATLNHI DEVWPSLFLG DAYAARDKSK LIQLGITHVV NAAAGKFQVD TGAKFYRGMS LEYYGIEADD NPFFDLSVYF LPVARYIRAA LSVPQGRVLV HCAMGVSRSA TLVLAFLMIC ENMTLVEAIQ TVQAHRNICP NSGFLRQLQV LDNRLGRETG RF
Tag:	His-tag
Predicted MW:	24.7 kDa
Concentration:	lot specific
Purity:	>95% 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 DUSP13 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:	NP_001007272
Locus ID:	51207
UniProt ID:	Q6B8I1
Cytogenetics:	10q22.2
Synonyms:	BEDP; DUSP13A; DUSP13B; MDSP; SKRP4; TMDP

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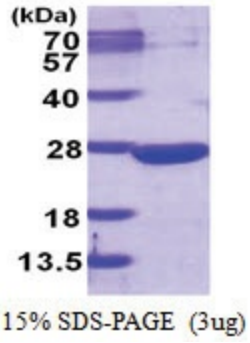
Summary: Members of the protein-tyrosine phosphatase superfamily cooperate with protein kinases to regulate cell proliferation and differentiation. This superfamily is separated into two families based on the substrate that is dephosphorylated. One family, the dual specificity phosphatases (DSPs) acts on both phosphotyrosine and phosphoserine/threonine residues. This gene encodes different but related DSP proteins through the use of non-overlapping open reading frames, alternate splicing, and presumed different transcription promoters. Expression of the distinct proteins from this gene has been found to be tissue specific and the proteins may be involved in postnatal development of specific tissues. A protein encoded by the upstream ORF was found in skeletal muscle, whereas the encoded protein from the downstream ORF was found only in testis. In mouse, a similar pattern of expression was found. Multiple alternatively spliced transcript variants were described, but the full-length sequence of only some were determined. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Phosphatase

Product images:



15% SDS-PAGE (3ug)