

Recombinant Human Dual Specificity Phosphatase 13, His-tagged

Cat. No. DUSP13-2521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DUSP13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-198aa
Description	DUSP13 (Dual specificity phosphatase 13) belongs to the protein-tyrosine phosphatase family. It cooperates with protein kinases to regulate cell proliferation and differentiation. DUSP13 is involved in the regulation of meiosis and/or differentiation of testicular germ cells during spermatogenesis. This protein exhibits intrinsic phosphatase activity towards both phospho-seryl/threonyl and -tyrosyl residues of myelin basic protein, with similar specific activities in vitro.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Mass	24.7kDa (222aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDLQK QDLRRPKIHG AVQASPYQPP TLASLQRLW VRQAATLNHI DEWPSSLFLG DAYAARDKSK LIQLGITHVV NAAAGKFQVD TGAKFYRGMS LEYYGIEADD NPFFDLSVYF LPVARYIRAA LSVPQGRVLV HCAMGVSRSA TLVLAFLMIC ENMTLVEAIQ TVQAHRNICP

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	NSGFLRQLQV LDNRLGRETG RF
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	DUSP13 dual specificity phosphatase 13 [Homo sapiens]
Official Symbol	DUSP13
Synonyms	DUSP13; dual specificity phosphatase 13; dual specificity protein phosphatase 13; BEDP; DUSP13A; DUSP13B; FLJ32450; TMDP; muscle-restricted DSP; branching-enzyme interacting DSP; dual specificity phosphatase SKRP4; testis- and skeletal-muscle-specific DSP; branching-enzyme interacting dual-specificity protein phosphatase; MDSP; SKRP4;
Gene ID	51207
mRNA Refseq	NM_001007271
Protein Refseq	NP_001007272
MIM	613191

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UniProt ID	Q6B8I1
Chromosome Location	10q23.1
Function	hydrolase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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