

Recombinant Full Length Human DUSP13 Protein, GST-tagged

Cat. No. DUSP13-4096HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP13 full-length ORF (AAH09778, 1 a.a. - 198 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	198 amino acids
Description	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]
Molecular Mass	47.52 kDa

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AA Sequence	MDSLQKQDLRRPKIHGAVQASPYQPPTLASLQRLWVRQAATLNHIDEVWPSLFLG DAYAARDKSKLIQLGITHVVNAAAGKFQVDTGAKFYRGMSLEYGYIEADDNPFFDL VYFLPVARYIRAALSVPQGRVLVHCAMGVSRSATLVLAFLMIYENMTLVEAIQTVQAH RNICPNSGFLRQLQVLDNRLGRETGRF
Applications	Phosphatase Assay (Cdc25) Phosphatase Assay (PTP) Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

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mRNA Refseq	NM_001007271
Protein Refseq	NP_001007272
MIM	613191
UniProt ID	Q6B8I1

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