

Recombinant Human DUSP13 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DUSP13-5628H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DUSP13 MS Standard C13 and N15-labeled recombinant protein (NP_057448) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	22.2 kDa

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AA Sequence	MDSLQKQDLRRPKIHGAVQASPYQPPTLASLQRLLWVRQAATLNHIDEVWPSLFLG DAYAARDKSKLIQLGITHVVNAAAGKFQVDTGAKFYRGMSLEYGYIEADDNPFFDLS VYFLPVARYIRAALSVPQGRVLVHCAMGVSRSATLVLAFLMIYENMTLVEAIQTVQAH RNICPNSGFLRQLQVLDNRLGRETGRFTRTRPLEQKLISEEDLAANDILDYKDDDDK V
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DUSP13 dual specificity phosphatase 13 [Homo sapiens (human)]
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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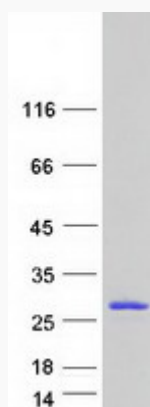
mRNA Refseq [NM_016364](#)

Protein Refseq [NP_057448](#)

MIM [613191](#)

UniProt ID [Q6B8I1](#)

SDS-PAGE



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