

Recombinant Mouse Dusp13 Protein, Myc/DDK-tagged

Cat. No. Dusp13-2682M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length dual specificity phosphatase 13 (Dusp13), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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 humans, 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	29.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Dusp13 dual specificity phosphatase 13 [Mus musculus (house mouse)]
Official Symbol	Dusp13
Synonyms	DUSP13; dual specificity phosphatase 13; dual specificity protein phosphatase 13; Dsp13-like protein; muscle-restricted DSP; testis- and skeletal muscle-specific DSP; dual specificity tyrosine phosphatase TS-DSP6; dual-specificity tyrosine phosphatase TS-DSP6; dual specificity protein phosphatase isoform MDSP; testis and skeletal muscle-specific dual specificity phosphatase; MDSP; TMDP; Gm1203; TS-DSP6; LMW-DSP6
Gene ID	27389
mRNA Refseq	NM_013849
Protein Refseq	NP_038877
UniProt ID	Q9QYJ7

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA