

## Product datasheet for **TP303085L**

### DUSP13 (NM\_016364) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dual specificity phosphatase 13 (DUSP13), transcript variant 6, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203085 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDSLQKQDLRRPKIHGAVQASPYQPPTLASLQRLWVRQAATLNHIDEVWPSLFLGDAYAARDKSKLIQL  
GITHVVNAAAGKFQVDTGAKFYRGMSLEYGIEADDNPFDFLSVYFLPVARYIRAALSVPQGRVLVHCAM  
GVSRSATLVLAFLMIYENMTLVEAIQTVQAHRNICPNSGFLRQLQVLNRLGRETGRF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	22 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_057448</a>
Locus ID:	51207
UniProt ID:	<a href="#">Q9UII6</a>



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RefSeq Size: 923

Cytogenetics: 10q22.2

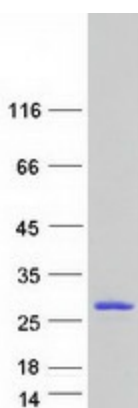
RefSeq ORF: 594

Synonyms: BEDP; DUSP13A; DUSP13B; MDSP; SKRP4; TMDP

**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:



Coomassie blue staining of purified DUSP13 protein (Cat# [TP303085]). The protein was produced from HEK293T cells transfected with DUSP13 cDNA clone (Cat# [RC203085]) using MegaTran 2.0 (Cat# [TT210002]).