

Product datasheet for **RG203085**

DUSP13 (NM_016364) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DUSP13 (NM_016364) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DUSP13
Synonyms: BEDP; DUSP13A; DUSP13B; MDSP; SKRP4; TMDP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203085 representing NM_016364
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCACTGCAGAAGCAGGACCTCCGGAGGCCAAGATCCATGGGGCAGTCCAGGCATCTCCCTACC
AGCCGCCACATTGGCTTCGCTGCAGCGCTTGTGTGGGTCCGTCAAGCTGCCACACTGAACCATATCGA
TGAGGTCTGGCCAGCCTCTTCTGGGAGATGCGTACGCAGCCCGGACAAGAGCAAGCTGATCCAGCTG
GGAATCACCCACGTTGTGAATGCCGCTGCAGGCAAGTTCAGGTGGACACAGGTGCCAAATCTACCGTG
GAATGTCCCTGGAGTACTATGGCATCGAGCGGATGACAACCCCTTCTTCGACCTCAGTGTCTACTTTCT
GCCTGTTGCTCGATACATCCGAGCTGCCCTCAGTGTCCCAAGCCGCGTGTGTACACTGTGCCATG
GGGTAAGCCGCTCTGCCACACTTGCCTGGCCTTCTCATGATCTATGAGAACATGACGCTGGTAGAGG
CCATCCAGACGGTGCAGGCCACCGCAATATCTGCCCTAACTCAGGCTTCTCCGGCAGCTCCAGGTTCT
GGACAACCGACTGGGGCGGGAGACGGGGCGGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203085 representing NM_016364
Red=Cloning site Green=Tags(s)

MDSLQKQDLRRPKIHGAVQASPYQPPTLASLQRLWLVRQAATLNHIDEVWPSLFLGDAYAARDKSKLIQL
GITHVNVAAAGKFQVDTGAKFYRGMSEYYGIEADDNPFDFLSVYFLPVARYIRAALSVPQGRVLVHCAM
GVSRSATLVLAFLMIYENMTLVEAIQTVQAHRNICPNSGFLRQLQVLDNRLGRETGRF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_016364.2](#)

RefSeq Size: 923 bp

RefSeq ORF: 597 bp

Locus ID: 51207

UniProt ID: [Q9UII6](#)

Cytogenetics: 10q22.2

Protein Families: Druggable Genome, Phosphatase

Gene 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]