

## Product datasheet for **RC218373L4V**

### DUSP13 (NM\_001007273) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | DUSP13 (NM_001007273) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | DUSP13   |
| Synonyms:                 | BEDP; DUSP13A; DUSP13B; MDSP; SKRP4; TMDP  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001007273   |
| ORF Size:                 | 873 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC218373).   |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_001007273.1</a>   |
| RefSeq Size:              | 1362 bp  |
| RefSeq ORF:               | 876 bp   |
| Locus ID:                 | 51207  |
| UniProt ID:               | <a href="#">Q6B8I1</a>   |
| Cytogenetics:             | 10q22.2  |
| Protein Families:         | Druggable Genome, Phosphatase  |
| MW:                       | 32.2 kDa   |



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**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]