

## Product datasheet for RC206095L2

DUSP19 (NM\_080876) Human Tagged Lenti ORF Clone

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OriGene Technologies, Inc.

## Product data:

**Product Type:** Expression Plasmids

**Product Name:** DUSP19 (NM\_080876) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: DUSP19

Synonyms: DUSP17; LMWDSP3; SKRP1; TS-DSP1

Mammalian Cell None

Selection:

**Vector:** pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

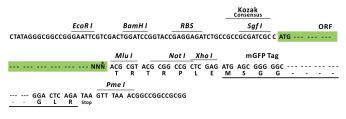
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206095).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_080876

ORF Size: 651 bp





## DUSP19 (NM\_080876) Human Tagged Lenti ORF Clone - RC206095L2

**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. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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 080876.2

RefSeq Size: 5379 bp RefSeq ORF: 654 bp Locus ID: 142679 **UniProt ID:** Q8WTR2

2q32.1 **Protein Families:** Druggable Genome, Phosphatase

MW: 24.2 kDa

Cytogenetics:

**Gene Summary:** Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type

> I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009

[PubMed 19228121]).[supplied by OMIM, Dec 2009]