

Product datasheet for RC219536L3

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SMURF1 (NM_181349) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SMURF1 (NM_181349) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:SMURF1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC219536).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_181349

ORF Size: 2193 bp



SMURF1 (NM_181349) Human Tagged Lenti ORF Clone - RC219536L3

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.

Druggable Genome

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: <u>NM 181349.1</u>

 RefSeq Size:
 5659 bp

 RefSeq ORF:
 2196 bp

 Locus ID:
 57154

 UniProt ID:
 Q9HCE7

Cytogenetics: 7q22.1

Protein Families:

Protein Pathways: Endocytosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis

MW: 83.3 kDa

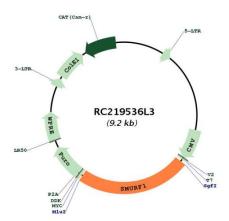
Gene Summary: This gene encodes a ubiquitin ligase that is specific for receptor-regulated SMAD proteins in

the bone morphogenetic protein (BMP) pathway. This protein plays a key roll in the regulation

of cell motility, cell signalling, and cell polarity. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Dec 2010]



Product images:



Circular map for RC219536L3