

## Product datasheet for **SC331380**

### SMURF1 (NM\_001199847) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMURF1 (NM_001199847) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMURF1
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC331380 representing NM\_001199847.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCGAACCCCGGGACACGCAGGAACGGCTCCAGCATCAAGATCCGTCTGACAGTGTTATGTGCCAAG
AACCTTGCAAAGAAAGACTTCTTCAGGCTCCCTGACCCTTTTGCAAAGATTGTCGTGGATGGGCTGGG
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CACCAGTCCCGGAACTGCCGAAGGCTACGAACAAGAACAACAGTCCAGGGCCAAGTTTACTTTTTG
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GCTTTGCAAGGCGCGGCAGGGCCCCGGCTTCCACATCCACCTGATAGACGCGAACACAGACAACCTT
CCGAAGGCCCATACCTGCTTTAACCGGATCGACATTCACCATATGAGTCTATGAGAAGCTCTACGAG
AAGCTGCTGACAGCCGTGGAGGAGACCTGCGGGTTTGTGTGGAGTGA
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001199847

**Insert Size:** 2187 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001199847.1</u>
<b>RefSeq Size:</b>	5694 bp
<b>RefSeq ORF:</b>	2187 bp
<b>Locus ID:</b>	57154
<b>UniProt ID:</b>	<u>Q9HCE7</u>
<b>Cytogenetics:</b>	7q22.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis
<b>MW:</b>	83.2 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the coding region and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. Isoform 3 is shorter than isoform 1.</p>