

Product datasheet for **SC331738**

Smoothelin (SMTN) (NM_001207017) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smoothelin (SMTN) (NM_001207017) Human Untagged Clone
Tag:	Tag Free
Symbol:	Smoothelin
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331738 representing NM_001207017.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGAGTCCATCCCAGGCCACACAGCAGACTGGCGGCCAAGCTGGCAGGGCTGGAACCAGAGACCCCC
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Restriction Sites: SgfI-MluI
 ACCN: NM_001207017
 Insert Size: 3009 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).
Reconstitution Method:	<ol style="list-style-type: none">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_001207017.1
RefSeq Size:	3242 bp
RefSeq ORF:	3009 bp
Locus ID:	6525
UniProt ID:	P53814
Cytogenetics:	22q12.2
MW:	108 kDa
Gene Summary:	<p>This gene encodes a structural protein that is found exclusively in contractile smooth muscle cells. It associates with stress fibers and constitutes part of the cytoskeleton. This gene is localized to chromosome 22q12.3, distal to the TUPLE1 locus and outside the DiGeorge syndrome deletion. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (4) encodes the longest isoform (d).</p>