

## Product datasheet for **RC211737**

### Smoothelin (SMTN) (NM\_006932) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smoothelin (SMTN) (NM_006932) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smoothelin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC211737 representing NM\_006932  
 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >RC211737 representing NM\_006932  
 Red=Cloning site Green=Tags(s)

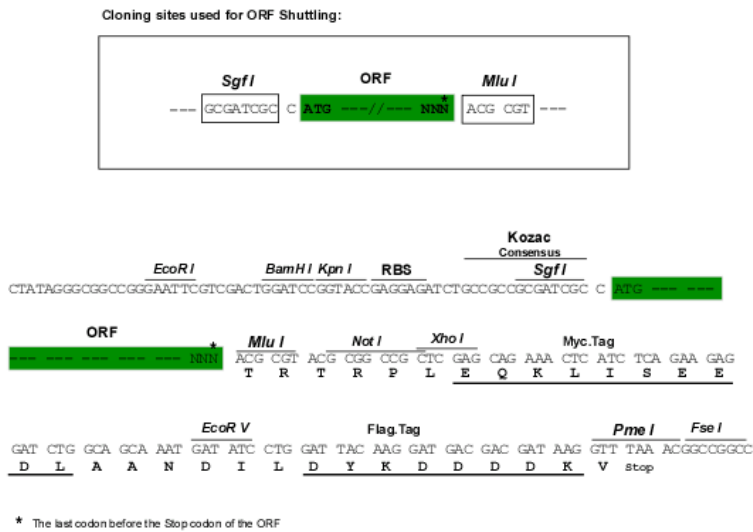
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**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

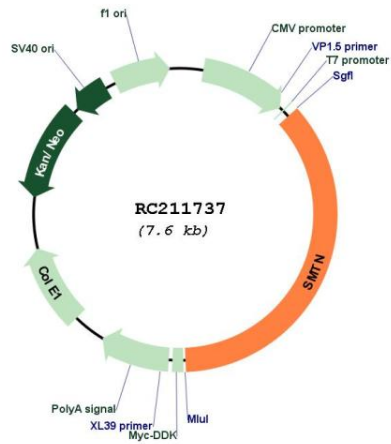


**ACCN:**

NM\_006932

<b>ORF Size:</b>	2751 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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>	<a href="#">NM_006932.5</a>
<b>RefSeq Size:</b>	3175 bp
<b>RefSeq ORF:</b>	2754 bp
<b>Locus ID:</b>	6525
<b>UniProt ID:</b>	<a href="#">P53814</a>
<b>Cytogenetics:</b>	22q12.2
<b>Domains:</b>	CH
<b>MW:</b>	99.1 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC211737