

## Product datasheet for **SC331192**

### TGF beta Receptor III (TGFB3) (NM\_001195683) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TGF beta Receptor III (TGFB3) (NM_001195683) Human Untagged Clone
Tag:	Tag Free
Symbol:	TGF beta Receptor III
Synonyms:	betaglycan; BGCAN
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC331192 representing NM\_001195683.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACTTCCCATTATGTGATTGCCATCTTTGCCCTGATGAGCTCCTGTTAGCCACTGCAGGTCAGAG
CCTGGTGCAGTGTGACTGTACCTGTACAGTGCCTCCCATCCTGTCCAGGCCTTGATGGAGAGCTTC
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CGCACTGCAGGCCAGGGGCTGGCCAGCTACAGAGAGAGGTACACTTCACCTGAATCCCATCTCCTCA
GTCACATCCACCACAAGTCTGTTGTCTCCTGCTCAACTCCCCACACCCCTGGTGTGGCATCTGAAG
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AACAGCAGTGTGCCACAGCATCGGCAGCAGCAGAGCAGCCTTGTCCAGCAGCAGCAGGCCTAG
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001195683

**Insert Size:** 2553 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).

<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_001195683.1</a>
<b>RefSeq Size:</b>	6472 bp
<b>RefSeq ORF:</b>	2553 bp
<b>Locus ID:</b>	7049
<b>UniProt ID:</b>	<a href="#">Q03167</a>
<b>Cytogenetics:</b>	1p22.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>MW:</b>	93.4 kDa
<b>Gene Summary:</b>	<p>This locus encodes the transforming growth factor (TGF)-beta type III receptor. The encoded receptor is a membrane proteoglycan that often functions as a co-receptor with other TGF-beta receptor superfamily members. Ectodomain shedding produces soluble TGFBR3, which may inhibit TGFB signaling. Decreased expression of this receptor has been observed in various cancers. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.[provided by RefSeq, Sep 2010]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the middle portion of the coding region, compared to variant 1. This results in a shorter protein (isoform b), compared to isoform a. Both variants 2 and 3 encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>