

## Product datasheet for **SC201611**

### TGF beta 1 (TGFB1) (NM\_000660) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** TGF beta 1 (TGFB1) (NM\_000660) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** TGFB1  
**Synonyms:** CED; DPD1; IBDIMDE; LAP; TGF-beta1; TGFB; TGFbeta  
**ACCN:** NM\_000660  
**Insert Size:** 759 bp  
**Insert Sequence:** >SC201611 3'UTR clone of NM\_000660  
The sequence shown below is from the reference sequence of NM\_000660. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGATCGTGCGCTCCTGCAAGTGCAGCTGAGGTCCCGCCCCGCCCGCCCCGCCCGCCGAGCCCGGCC
CCACCCCGCCCCGCCCGCTGCCTTGCCCATGGGGCTGTATTTAAGGACACCCGTGCCCAAGCCCA
CCTGGGGCCCCATTAAAGATGGAGAGAGGACTGCGGATCTCTGTGTCATTGGGCGCTGCCTGGGTCT
CCATCCCTGACGTTCCCCACTCCCACTCCCTCTCTCCTCTCTGCCTCCTCCTGCCTGTCTGCACT
ATTCTTTGCCCGGCATCAAGGCACAGGGGACCAGTGGGGAACACTACTGTAGTTAGATCTATTTATTG
AGCACCTTGGGCACTGTTGAAGTGCCTTACATTAATGAACTCATTGAGTACCATAGCAACTCTGAG
ATGCAGGGACTCTGATAACACCCATTTAAAGGTGAGGAAACAAGCCAGAGAGTTAAGGGAGGAGTT
CCTGCCACCAGAACCTGCTTTAGTGGGGATAGTGAAGAAGACAATAAAAGATAGTAGTTGAGGCCA
GGCGGGTGGCTCAGCCTGTAATCCTAGCACTTTGGGAGGCAGAGATGGGAGGATTACTGAATCCA
GGCATTGAGACCAGCCTGGGTAACATAGTGAACCTATCTCTACAAAACACTTTTAAAAAATGTACA
CCTGTGGTCCCAGCTACTCTGGAGGCTAAGGTGGGAGGATCACTTGATCCTGGGAGTCAAGGCTGCA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_000660.7</a></u>
<b>Summary:</b>	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease. [provided by RefSeq, Aug 2016]
<b>Locus ID:</b>	7040
<b>MW:</b>	27