

## 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
Symbol:	TGF beta 1
Synonyms:	CED; DPD1; IBDIMDE; LAP; TGF-beta1; TGFB; TGFBeta
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000660
Insert Size:	759 bp
Insert Sequence:	<p>&gt;SC201611 3'UTR clone of NM_000660</p> <p>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.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
ATGATCGTGCCTCCTGCAAGTGCAGCTAGGGTCCCCGCCCGCCCCGCCCGCCCCGGCAGGCCCGGCC
CCACCCCGCCCCGCCCGCTGCCTTGCCCATGGGGGTGTATTTAAGGACACCCGTGCCCAAGCCCA
CCTGGGGCCCCATTAAAGATGGAGAGAGGACTGCGGATCTCTGTGTCATTGGGCGCCTGCCTGGGTCT
CCATCCCTGACGTTCCCCACTCCCACTCCCTCTCTCCCTCTCTGCCTCCTCCTGCCTGTCTGCACT
ATTCCTTTGCCCGCATCAAGGCACAGGGGACCAAGTGGGGAACACTACTGTAGTTAGATCTATTTATTG
AGCACCTTGGGCACTGTTGAAGTGCCTTACATTAATGAACTCATTCAATCAGTCACCATAGCAACACTCTGAG
ATGCAGGGACTCTGATAACACCCATTTTAAAGGTGAGGAAACAAGCCAGAGAGGTTAAGGGAGGAGTT
CCTGCCACCAAGAACCTGCTTTAGTGGGGGATAGTGAAGAAGACAATAAAGATAGTAGTTTCAGGCCA
GGCGGGGTGGCTCAGCCTGTAATCCTAGCACTTTTGGGAGGCAGAGATGGGAGGATTACTTGAATCCA
GGCATTGAGACCAGCCTGGGTAAACATAGTGAGACCCTATCTCTACAAAACACTTTTAAAAAATGTACA
CCTGTGGTCCCAGCTACTCTGGAGGCTAAGGTGGGAGGATCACTTGATCCTGGGAGGTCAAGGCTGCAG
ACGCGTAAGCGGCCCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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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Components:	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.
RefSeq:	<u>NM_000660.7</u>
Summary:	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]
Locus ID:	7040
MW:	27