

## Product datasheet for **SC220584**

### TGF beta 2 (TGFB2) (NM\_003238) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	TGF beta 2 (TGFB2) (NM_003238) Human 3' UTR Clone
Symbol:	TGF beta 2
Synonyms:	G-TSF; LDS4; TGF-beta2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003238
Insert Size:	2000 bp



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**Insert Sequence:** >SC220584 3'UTR clone of NM\_003238  
 The sequence shown below is from the reference sequence of NM\_003238. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGATTGTAAAGTCTTGCAAATGCAGCTAAATTCTTGGAAAAGTGGCAAGACCAAATGACAATGATG
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CCTATCCCGCCCTCACTTGATTTTTCTGTATTGCTATGCAATAGGCACCCTCCCATTTACTCTTA
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CAGGTGTATAAAGTGGAGACAAATACTTTGCCAGAACTCATGGATGGCTTAAGGAACTGAACTCAA
ACGAGCCAGAAAAAAGAGGTCAATTAATGGGATGAAAACCAAGTGAGTTATTATATGACCGAGAAA
GTCTGCATTAAGATAAAGACCCTGAAAACACATGTTATGTATCAGCTGCCTAAGGAAGCTTCTTGTAAAG
GTCCAAAAACTAAAAAGACTGTTAATAAAGAAACTTTTCAGTCAGAAATAGTCTGTAAGTTTTTTTTT
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ATAAGCTACCTGGGTCCACTTGTCTTTTCTTTTTTTGTTTACAGAAAAGATGGGTTTCAGTTCAGTG
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TCATTTTGTGATTTCACTGAAGTTATAAGTTTTATAAATGTTCTTTGAAGGGGAAAAGGCACAAGC
CAATTTTTCTATGATCAAAAAATTTCTTTCTTCTGAGTGAGAGTTATCTATATCTGAGGCTAAAG
TTTACCTTGCTTAAATAAATAATTTGCCACATCATTGCAGAAGAGGTATCCTCATGCTGGGTTAATAG
AATATGTCAGTTTACTTGTGCTTATTTAGCTTTAAATAAAAAATTAATAGGCAAAGCAATGGAA
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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).

**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:** [NM\\_003238.6](#)

**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 TGF-beta family members. Disruption of the TGF-beta/SMAD pathway has been implicated in a variety of human cancers. A chromosomal translocation that includes this gene is associated with Peters' anomaly, a congenital defect of the anterior chamber of the eye. Mutations in this gene may be associated with Loeys-Dietz syndrome. This gene encodes multiple isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Aug 2016]

**Locus ID:**

7042

**MW:**

77.9