

## Product datasheet for **SC200680**

### Thyroglobulin (TG) (NM\_003235) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Thyroglobulin (TG) (NM_003235) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TG
Synonyms:	AITD3; TGN
ACCN:	NM_003235
Insert Size:	135 bp
Insert Sequence:	>SC200680 3'UTR clone of NM_003235 The sequence shown below is from the reference sequence of NM_003235. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAACCAGGCTCTAAGACCTACAGCAAGTGAACAGCCCTTGAGCTCCCCAAAACCTCACCCGAGGCTGC CCACTATGGTCATCTTTTCTCTAAAATAGCCACTTACCTTCAATAAAGTATCTACATGCGGTGAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u><a href="#">NM_003235.5</a></u>



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**Summary:**

Thyroglobulin (Tg) is a glycoprotein homodimer produced predominantly by the thyroid gland. It acts as a substrate for the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dyshormonogenesis, manifested as goiter, and are associated with moderate to severe congenital hypothyroidism. Polymorphisms in this gene are associated with susceptibility to autoimmune thyroid diseases (AITD) such as Graves disease and Hashimoto thyroiditis. [provided by RefSeq, Nov 2009]

**Locus ID:**

7038

**MW:**

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