

## Product datasheet for **SC216402**

### Transglutaminase 2 (TGM2) (NM\_004613) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Transglutaminase 2 (TGM2) (NM_004613) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TGM2
Synonyms:	G(h); hTG2; TG(C); TGC; tTG
ACCN:	NM_004613
Insert Size:	2000 bp



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**Insert Sequence:** >SC216402 3'UTR clone of NM\_004613  
 The sequence shown below is from the reference sequence of NM\_004613. 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
TTCCGGAATGTCATCATTGGCCCCGCCTAAGGGACCCCTGCTCCCAGCCTGCTGAGAGCCCCACCTTG
ATCCCAATCCTTATCCCAAGCTAGTGAGCAAAATATGCCCTTCTTGGGCCCCAGACCCAGGGCAGGG
TGGGCAGCCTATGGGGCTCTCGGAAATGGAATGTGCCCTGGCCATCTCAGCCTCTGAGCCTGTGG
GTCCCCACTACCCCTTTGCTGTGAGGAATGCTCTGTGCCAGAAACAGTGGGAGCCCTGACCTTGGCT
GACTGGGGCTGGGGTGGAGAGGAAAGACCTACATTCCCTCTCCTGCCAGATGCCCTTTGGAAAGCCA
TTGACCACCCACCATATTGTTTGTACTTTCATAGCTCCTTGGAGCAGGCAAAAAGGGACAGCATGC
CCCTTGGCTGGATCAGGGAATCCAGCTCCCTAGACTGCATCCCGTACCTTCCCATGACTGCACCCAG
CTCCAGGGGCCCTTGGGACAGCCAGAGCTGGGTGGGGACAGTGATAGGCCAAGGTCCTCCACATCC
CAGCAGCCCAAGCTTAATAGCCCTCCCCCTCAACCTCACCATTTGTAAGCACCTACTATGTGCTGGGTG
CCTCCCACTTGTGGGGCTCACGGGGCTCCAACCCATTTAATCACCATGGGAAACTGTTGTGGGCG
CTGCTTCCAGGATAAGGAGACTGAGGCTTAGAGAGAGGAGGCAGCCCCCTCCACACCAAGTGGCCTCGTG
GTTATTAGCAAGGCTGGGTAAATGTGAAGGCCCAAGAGCAGAGTCTGGGCCTCTGACTCTGAGTCCACTG
CTCCATTTATAACCCAGCCTGACTGAGACTGTCCGAGAGGCTGTCTGGGGCCTTTATCAAAAAAGA
CTCAGCCAAGACAAGGAGGTAGAGAGGGGACTGGGGACTGGGAGTCAGAGCCCTGGCTGGGTTCAGGT
CCCACGCTGGCCAGGCACTGCCTTCTCCTCTCTGGGCCTTTGTTTCCTTGTGGTCAGAGGAGTGATT
GAACCAAGTCACTCCAAGGATCCTCCACTCCATGTTTGAATGCTTTTATATGGCCAGCCTTGTA
AATAACCAACAAGGTCCACTCCCTGCTCCACGAAGCCTTAAGCCATAGGCCAGGATATTTCTGAGAGTG
AAACCATGACTGTGACCACCTTCTGTCCCAGCCCTGCTCTGTTCCCTTCTATGCCAGGTACACCC
TTCAGACCCAGTTCTAGGGGAGAAGAGCCCTGGACACCCTGCTCTACCCATGAGCCTGCCCGTGCA
ATGCCTAGACTTCCCAACAGCCTTAGCTGCCAGTGTGGTCACTAACCAACAAGTTGGCACCCAGCT
ACCCCTTCTTTGCAGGGCTAAGGCCCAACATAGCCCTGCCCGGAGGAAGCTTGGGAACCCATG
AGTTGTCAGCTTTGACTTTATCTCTGCTTTTCTACATGACTGGGCCTCCCTTGGGCTGGAAGAATTG
GGGATTCTCTATTGGAGGTGAGATCACAGCCTCCAGGGCCCCCAATCCAGGGAAGGACTTGGAGAG
AATCATGTGTTGCATTTAGAATTTCTGCTTTGCACAGGAAAGAGTCACACAATTAATCAACATGTAT
ATTTTCTATACATAGAGCTCTATTTCTCTACGGTTTTATAAAAGCCTTGGGTTCCAACAGGCAGTA
GATGTGCTTCTGAACCGCAAGGAGCAAACACTGAAATAAAATAGTTTATTTTTCACACTCAAAGTGGT
CTGGTCTGTTCTTTATGAGTTTGGAGGGAGATGGGTAGGTGAGCTCGCTCACACCTGGACCCCACTT
CCTGCCTAGGAGTCTTCTGAGCCTCAGCCCTGTCCCTGCGTTAAACTTTACTGGCATTCAAGGTCC
TACACAGGCTGGCTCCATCTCCGGCCCTTCCACCAACAGTCTGTTTTGGGCCACAATTAACCTTCT
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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).

**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\\_004613.4](#)

**Summary:** Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:** 7052

**MW:** 72.3