

Product datasheet for **SC307843**

Transglutaminase 6 (TGM6) (NM_198994) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transglutaminase 6 (TGM6) (NM_198994) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transglutaminase 6
Synonyms:	dj734P14.3; SCA35; TG6; TGM3L; TGY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_198994 edited
 CTTACATGGCAGGGATCAGAGTACCAAGGTGGACTGGCAGCGGTCGAGGAATGGCGCT
 GCCCACCACACCCAGGAGTACCCCTGCCCTGAGCTGGTGGTTTCGAGGGGCCAGTCGTTT
 AGCCTCACGCTGGAGCTGAGCAGAGCCCTGGACTGTGAGGAGATCCTCATCTTCACGATG
 GAGACAGGACCCCGGGCTTCTGAGGCCCTCCACACCAAGCTGTGTTCCAGACATCGGAG
 CTGGAGCGGGGTGAGGGCTGGACAGCAGCAAGGGAGGCTCAGATGGAGAAAACCTGACC
 GTCAGTCTCGCCAGCCCTCCCAGTGTCTATTGGCCGCTACCTGCTGAGCATCAGGGCTT
 TCCTCTACCCGCAAACACAGCAACCGGAGGCTGGGCGAGTTTGTCTCCTTTTCAACCCA
 TGGTGTGCAGAGGACGATGTGTTTCTGGCCTCAGAGGAGGAGAGACAGGAGTACGTGCTC
 AGCGACAGCGGCATCATCTCCGAGGCGTGAGAAGCACATACGAGCCCAGGGCTGGAAC
 TACGGGAGTTTGGAGGAGACATCCTGAACATCTGCCTCTCCATCCTGGATCGAAGCCCC
 GGTACCAAAAACAACCCAGCCACCGACGTGTCTGCCGCCACAACCCCATCTACGTCACC
 AGGGTCATCAGTGCCATGGTGAACAGCAACAACGACCGAGGTGTGGTGAAGGACAGTGG
 CAGGGCAAGTACGGCGGGCCACCAGCCCGCTGCACTGGCGGGCAGCGTGGCCATTCTG
 CAGAAGTGGCTCAAGGGCAGGTACAAGCCAGTCAAGTACGGCCAGTGTGGGTCTTGCC
 GGAGTCCGTGTGCACAGTCCCTCAGGTGCTTGGGGATAGCCACACGGGTCGTGCCAACTTC
 AACTCAGCCCACGACACAGACCAGAACCTGAGTGTGGACAAATACGTGGACTCCTTCGGG
 CGGACCTGGAGGACCTGACAGAAGACAGCATGTGGAATTTCCATGTCTGGAATGAGAGC
 TGGTTTGGCCGCGAGGACCTAGGCCCTTTACAATGGCTGGCAGGTTCTGGATGCCACC
 CCCCAGGAGGAGAGTGAAGGTGTGTTCCGGTGGCGCCAGCCTCAGTACCCGCCATCCGC
 GAGGGTGATGTGCACCTGGCTCAGATGGCCCTTCGTGTTTGGGAGGTCAACGCCGAC
 TACATCACCTGGTGTGGCAGGAGTGAAGCCAGGCGGTGGCAGTACTCCCGGTGGACATCACT
 AAGATTGGGAGATGCATCAGCACCAAGGCGGTGGCAGTACTCCCGGTGGACATCACT
 GACCTCTACAAGTATCCGGAAGGGTCCCGGAAAGAGAGGCAAGGTGTACAGCAAGGCGGTG
 AACAGGCTGTTCCGGCTGGAAGCCTCTGGAAGGAGAATCTGGATCCGCAGGGCTGGGGT
 CGCTGTCTCTGGCGTGACGACCTCCTGGAGCCTGCCACCAAGCCAGCATCGCTGGCAAG
 TTCAAGGTGCTAGAGCCTCCCATGCTGGGCCACGACCTGAGACTGGCCCTGTGCTTGGCC
 AACCTCACCTCCCGGGCCAGCGGGTGAGGGTCAACCTGAGCGGTGCCACCATCTCTAT
 ACCCGCAAGCCAGTGGCAGAGATCCTGCATGAATCCACGCCGTGAGGCTGGGGCCGCAA
 GAAGAGAAGAGAATCCCAATTACAATATCTTACTCTAAGTATAAAGAAGACCTGACAGAG
 GACAAGAAGATCCTGTTGGCTGCCATGTGCTTGTACCAAAGGAGAGAAGCTTCTGGTG
 GAGAAGGACATTACTCTAGAGGACTTCATCACCATCAAGGTTCTGGGCCAGCCATGGTG
 GGAGTGGCAGTTACAGTGAAGTGACAGTAGTCAACCCCTCATAGAGAGAGTGAAGGAC
 TGTGCGCTGATGGTGGAGGGCAGCGCCTTCTCCAGGAACAGCTCAGCATCGACGTGCCCT
 ACCCTGGAGCCTCAGGAGAGGGCCTCAGTCCAGTTTGACATACCCCTCCAAAAGTGGC
 CCAAGGCAGTGCAGGTGGACCTGTGAAGCCCTCACTTCCCGGACATCAAGGGCTTTGTG
 ATCGTCCATGTGGCCACTGCCAAGTGA

Restriction Sites: Please inquire

ACCN: NM_198994

Insert Size: 2100 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_198994.1.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_198994.1</u> , <u>NP_945345.1</u>
RefSeq Size:	2292 bp
RefSeq ORF:	2121 bp
Locus ID:	343641
UniProt ID:	<u>O95932</u>
Cytogenetics:	20p13
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene belongs to the transglutaminase superfamily. It catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Mutations in this gene are associated with spinocerebellar ataxia type 35 (SCA35). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>