

Product datasheet for **SC323846**

TOM1 (NM_005488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOM1 (NM_005488) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005488.1
 GCAATGGACTTTCTCCTGGGAAACCCGTTCCAGTCTCCAGTGGGACAGCGCATCGAGAAA
 GCCACAGATGGCTCCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGCGACATC
 ATCAACGAGACGGAGGAAGTCCCAAAGATGCCCTCCGAGCAGTAAAGAAGAGAATCGTG
 GGAATAAGAACTTCCACGAGGTGATGCTGGCTCACAGTCTTAGAAACCTGTGTCAAG
 AACTGCGGGCACCCTCCACGTGCTGGTGGCCAGCCAGGACTTCGTGGAGAGTGTCTG
 GTGAGGACCATCCTGCCAAGAACAACCCACCCACCATCGTGCATGACAAAGTGTCAAC
 CTCATCCAGTCCCTGGGCTGACGCTTCCGACGCTCGCCCGATCTGACAGGTGTGGTCACC
 ATCTATGAGGACCTGCGGAGGAAAGGCCTGGAGTTCGCCATGACTGACCTGGACATGCTG
 TCACCCATCCACACACCCAGAGGACCGTGTCAACTCAGAGACACAATCAGGACAGGAT
 TCTGTGGGCACTGACTCCAGCCAGCAAGAGGACTCTGGCCAGCATGCTGCCCTCTGCC
 GCCCGCCATACTCTCCGGTGACACGCCCATAGCACCAACCCCGAACAGATTGGGAAG
 CTGCGCAGTGAGCTGGAGATGGTGTGGGAACGTGAGGGTGTGTGCGAGATGCTGACG
 GAGCTGGTGGCCACCCAGGCCGAGCCCGCAGACCTGGAGCTGCTGCAGGAGCTCAACCGC
 ACGTGGCAGCCATGCAGCAGCGGGTCTGGAGCTCATCCCTCAGATCGCAATGAGCAG
 CTGACAGAGGAGCTGCTCATCGTCAATGACAATCTCAACAATGTGTTCTGCGCCATGAA
 CGGTTTGAACGGTTCGGAACAGGCCAGACCACCAAGGCCCAAGTGGAGCCGAGCCGGCA
 GCTGACCTGATCGACATGGGCCCTGACCCAGCAGCCACCGGCAACCTCTCATCCAGCTG
 GCAGGAATGAACCTGGGCTCCAGCAGTGTGAGAGCTGGCTGCAGTCTCTGGAGGCCTCT
 GGTGACTGGAAGATGAGTTTGACATGTTTGGCTGACACGGGGCAGTCACTGGCTGAC
 CAACGGAAAGAGGTAAAATACGAAGCCCCCAAGCAACAGACGGCCTGGCTGGAGCCCTG
 GACGCCCGCAGCAGAGCACTGGCGCATCCCAGTCAACCCAGGCTGCCTCATGGAGGAC
 ATCGAGCAGTGGCTGTCCACTGACGTGGTAATGATGCGGAAGAGCCCTAAGGGGGTCAAC
 AGCGAAGGTAAATTTGACAAATTCCTGGAAGAACGGGCCAAAGCCGCGGACCGATTGCC
 AACCTCTCCAGCCCTCAGCTGAGGGGCCCGGGTCCCCATCTGGCCAGCGCCCGG
 AAGAAGACCCAGGAGAAAGATGATGACATGCTGTTTGCCTTATGAGTGTGGGGTCTGGCA
 CCCTGCAGCCAGGTCCCCTGCTCTCACACCCTTAGGCTGGGACCTCCCTCCCTCCTC
 TGGTGTTAAGGCTGCTTTGGGGTGGCTGTTACCCCTTTTCTCCTCTTTGAAGACGG
 AGCTGCCCCAGCTGTGGCTGGGGTGTGGAGGCAGTGGGATGAACTGGGGACAGGTCTG
 CGCTGCAGTGGGATCTGGCTGCTCTGCCTCCTTTCCACCCAGCTGACCATGAGACTTT
 GCTGAGAAGTGGAGGCCAGGACAGGCTGGCTGGCTGGCTGGCTGCTTGACCCAGTGTG
 ACTCTCCTTCACTGAGTGATACCCTGCTCCGGGCCATGCCCAAGGAGCCCTTACAGAGC
 CCACACTGCCAGTCGAGGCTGGCTGGAGGCTGGCCACAGTGGAAATTCTGCCGAGCCTC
 TTGTCCCTTCCCTGCTCTGCTGCATGGGGCCCCATGGCTTTGGCTGGCCACTGAGGGTAG
 GGTGTGGAGGTGTGGAGGCCCTGAGGAGCTGCGGGGCCAGGTACGAAGCTGCAACT
 CTGCGCGCAGTGGGCGAGATCTCATCAGCCCCAGGCTGCAGGTGAGGCTTACGGGATGC
 TGGGGCCCCACTGCCCTCCGCTGCCTTGCCTCCATCCTTCTCTGTTCTTCTGGCCG
 GGCACCACAGCACTGGGGCTCACCTCTTGGTTGATCCTTGTACTGGGAGAGGTGCCTT
 TTGTATCCCCAATTAAGGTAGAAAACCAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_005488

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_005488.1</u> , <u>NP_005479.1</u>
RefSeq Size:	2310 bp
RefSeq ORF:	1479 bp
Locus ID:	10043
UniProt ID:	<u>O60784</u>
Cytogenetics:	22q12.3
Domains:	VHS, GAT
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene was identified as a target of the v-myb oncogene. The encoded protein shares its N-terminal domain in common with proteins associated with vesicular trafficking at the endosome. It is recruited to the endosomes by its interaction with endofin. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the most predominant transcript and encodes isoform 1.</p>