

Product datasheet for **SC325114**

TOM1 (NM_001135729) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOM1 (NM_001135729) Human Untagged Clone
Tag: Tag Free
Symbol: TOM1
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001135729, the custom clone sequence may differ by one or more nucleotides

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ATGGAGATCTGCGACATCATCAACGAGACGGAGGAAGGTCCCAAAGATGCCCTCCGAGCA
GTAAAGAAGAGAAATCGTGGGGAATAAGAACTTCCACGAGGTGATGCTGGCTCTCACAGTC
TTAGAAACCTGTGTCAAGAACTGCGGGCACCCTTCCACGTGCTGGTGGCCAGCCAGGAC
TTCGTGGAGAGTGTGCTGGTGAGGACCATCCTGCCAAGAACAACCCACCACCATCGTG
CATGACAAAGTGCTCAACCTCATCCAGTCTGGGCTGACGCGTTCCGAGCTCGCCCGAT
CTGACAGGTGTGGTCACCATCTATGAGGACCTGCGGAGGAAAGGCTGGAGTTCCTCATG
ACTGACCTGGACATGCTGTGACCCATCCACACACCCAGAGGACCGTGTCAACTCAGAG
ACACAATCAGGACAGGATTCTGTGGCACTGACTCCAGCCAGCAAGAGGACTCTGGCCAG
CATGCTGCCCTCTGCCGCCGCCATACTCTCCGGTGACACGCCATAGCACCAACC
CCGGAACAGATTGGGAAGCTGCGCAGTGAGCTGGAGATGGTGAGTGGGAACGTGAGGGTG
ATGTCGGAGATGCTGACGGAGCTGGTGCCACCCAGGCCGAGCCGAGACCTGGAGCTG
CTGCAGGAGCTCAACCGCACGTGCCGAGCCATGCAGCAGCGGGTCTGGAGCTCATCCCT
CAGATCGCCAATGAGCAGCTGACAGAGGAGCTGCTCATCGTCAATGACAATCTCAACAAT
GTGTTCTGCGCCATGAACGGTTTGAACGGTCCGAACAGGCCAGACCACCAAGGCCCA
AGTGAGGCCGAGCCGGCAGCTGACCTGATCGACATGGGCCCTGACCCAGCAGCCACCGGC
AACCTCTCATCCAGCTGGCAGGAATGAACCTGGGCTCCAGCAGTGTGAGAGCTGGCCTG
CAGTCTCTGGAGCCTCTGGTCTGACTGGAAGATGAGTTTGACATGTTTGGCTGACACGG
GGCAGCTCACTGGCTGACCAACGGAAAGAGGTAATAACGAAGCCCCCAAGCAACAGAC
GGCCTGGCTGGAGCCCTGGACGCCCGGCAGCAGAGCACTGGCGGATCCAGTCAACCCAG
GCCTGCCTCATGGAGGACATCGAGCAGTGGCTGTCCACTGACGTGGGTAATGATGCGGAA
GAGCCTAAGGGGGTCACCAGCGAAGGTAATTTGACAAATTCCTGGAAGAACGGGCCAAA
GCCGCGGACCGATTGCCAACCTCTCCAGCCCCCAGCTGAGGGGCCCGGGTCCCCCA
TCTGGCCAGCGCCCCGGAAGAAGACCCAGGAGAAAGATGATGACATGCTGTTTGCCTTA
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Restriction Sites: Please inquire
ACCN: NM_001135729



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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_001135729.1</u> , <u>NP_001129201.1</u>
RefSeq Size:	2326 bp
RefSeq ORF:	1383 bp
Locus ID:	10043
UniProt ID:	<u>O60784</u>
Cytogenetics:	22q12.3
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 (3) contains a different 5' terminal exon and uses an alternate donor splice site at the penultimate exon compared to transcript variant 1. This results in translation initiation from a downstream AUG and an isoform (3) with a shorter N-terminus compared to isoform 1.</p>