

Product datasheet for **SC325940**

TOM1 (NM_001135730) Human Untagged Clone

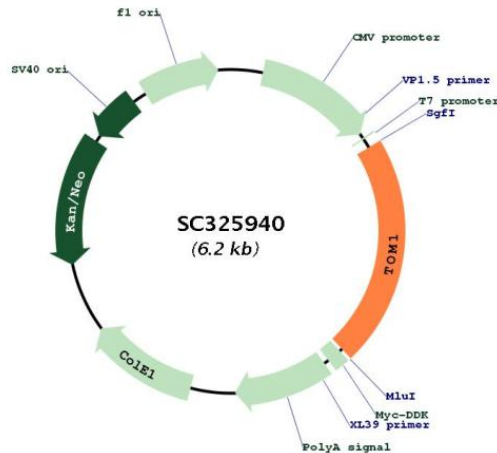
Product data:

Product Type:	Expression Plasmids
Product Name:	TOM1 (NM_001135730) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325940 representing NM_001135730. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCCGCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACTTTCTCCTGGGGAACCCGTTTCAGCTCTCCAGTGGGACAGCGCATCGAGAAAGCCACAGATGGC
TCCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGCGACATCATCAACGAGACGGAGGAAGGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



Plasmid Map:


ACCN: NM_001135730

Insert Size: 1344 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: 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:

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: [NM_001135730.1](#)

RefSeq Size: 2261 bp

RefSeq ORF: 1344 bp

Locus ID: 10043

UniProt ID: [O60784](#)

Cytogenetics: 22q12.3

Protein Families: Druggable Genome

MW: 48.7 kDa

Gene Summary: 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]
Transcript Variant: This variant (4) is missing an in-frame coding exon compared to transcript variant 1, resulting in a shorter isoform (4) lacking an internal 45 aa segment compared to isoform 1.