

## Product datasheet for **SC335804**

### TOM1L2 (NM\_001288789) Human Untagged Clone

#### Product data:

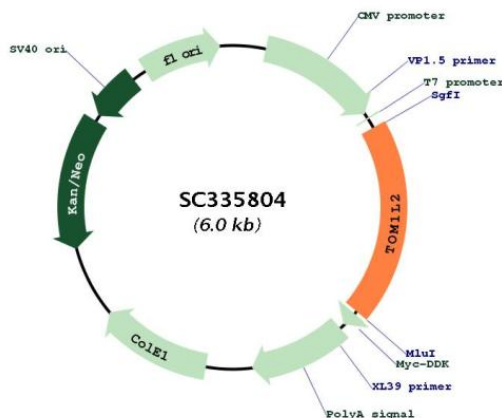
**Product Type:** Expression Plasmids  
**Product Name:** TOM1L2 (NM\_001288789) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TOM1L2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC335804 representing NM\_001288789.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTTCCTCCTGGGGAACCCGTTTCAGCACACCAGTGGGGCAGTGCCTCGAAAAGGCAACAGATGGC
TCCCTGCAAAGTGAGGATTGGACGTTGAATATGGAGATCTGTGACATCATCAATGAGACGGGGAAGGG
CCAAAGGATGCCATTCGAGCCCTGAAGAAGCGGCTCAACGGGAACCGGAACACTACAGAGAGGTGATGCTG
GCATTAACAATTGCCAGGCTGCGGAGTGAACGGACGTCGTTTCGAGGAAACACAAAAGTCATGTCTGAG
ATGTTAACAGAAATGGTCCCTGGACAGGAGGATTCATCTGATCTGGAGTTGCTGCAGGAGCTCAACAGG
ACCTGTCGGGCCATGCAGCAGCGCATCGTGGAGCTCATCTCCCGGTGTCCAATGAGGAGGTCACCGAG
GAGCTGCTGCATGTGAACGATGACCTCAACAACGCTCTTCCTTCGATACGAGAGGTTTGAACGATACAGG
TCTGGCCGATCCGTTCAAATGCCAGTAATGGAGTACTGAATGAAGTAACCGAAGACAACCTAATAGAC
CTGGGGCCAGGGTCTCCAGCCGTGGTGAAGCCAAATGGTGGGGAACACAGCGCCCATCTCCCTCTCC
TCCCAGCTTGCAGGCTTAGACTTGGGGACAGAGAGCGTCAGTGGCACCCCTCAGTTCACCTCCAGCAATGT
AATCCCGTGACGGCTTTGACATGTTTGGCCAGACGAGAGGAACTCCTTGGCTGAGCAGCGCAAGACG
GTAACCTATGAGGATCCTCAGGCTGTCGGAGGACTTGCTTCTGCACTAGACAATCGAAAACAGAGTTCA
GAAGGGACTTTTCTGCTCCTCGGCCAGAAGAGAGGTAGAGGTGGGAGTCTGACCTGGAGCCCATAGAC
AGCTGGCTTATAACCAAGGAATGATCCCCGTTGCGCAGCCATCTGTCATGGACGACATTGAGGTGTGG
CTCAGGACCGACCTGAAGGGTATGATCTGGAGGAGGGTGTACAAAGTAAGAGTTTGATAAATTCCTT
GAAGAAAGAGCCAAAGCTGCTGAAATGGTTCCCGACCTCCCTCGCCCCCATGGAGGCTCCTGCCCA
GCCTCAAACCTTCTGGCCGGAAGAAGCCAGAGCGGTGAGAGGATGCCCTCTTCGCCCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001288789

**Insert Size:** 1167 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).

**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\\_001288789.1](#)

**RefSeq Size:** 5468 bp

**RefSeq ORF:** 1167 bp

**Locus ID:** 146691

**UniProt ID:** [Q6ZVM7](#)

**Cytogenetics:** 17p11.2

**MW:** 42.7 kDa

**Gene Summary:**

This gene belongs to a small gene family whose members have an N-terminal VHS domain followed by a GAT domain; domains which typically participate in vesicular trafficking. The canonical protein encoded by this gene also has a C-terminal clathrin binding motif. This protein has been shown to interact with Tollip, clathrin and ubiquitin and is thought to play a role in endosomal sorting. This gene resides in the 3.7 Mb deletion of chromosome region 17p11.2 that is associated with Smith-Magenis syndrome. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Apr 2017]

Transcript Variant: This variant (7) lacks three consecutive alternate in-frame exons in the 5' coding region and contains an alternate in-frame exon in the 3' coding region, compared to variant 3. It encodes isoform 7, which is shorter than isoform 3.