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Product datasheet for SC127185

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC127185 sequence for NM_005488 edited (data generated by NextGen Sequencing)

ATGGACTTTCTCCTGGGGAACCCGTTCAGCTCTCCAGTGGGACAGCGCATCGAGAAAGCC
ACAGATGGCTCCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGCGACATCATC
AACGAGACGGAGGAAGGTCCCAAAGATGCCCTCCGAGCAGTAAAGAAGAGAATCGTGGGG
AATAAGAACTTCCACGAGGTGATGCTGGCTCTCACAGTCTTAGAAACCTGTGTCAAGAAC
TGCGGGCACCGCTTCCACGTGCTGGTGGCCAGCCAGGACTTCGTGGAGAGTGTGCTGGTG
AGGACCATCCTGCCCAAGAACAACCCACCCACCATCGTGCATGACAAAGTGCTCAACCTC
ATCCAGTCCTGGGCTGACGCGTTCCGCAGCTCGCCCGATCTGACAGGTGTGGTCACCATC
TATGAGGACCTGCGGAGGAAAGGCCTGGAGTTCCCCATGACTGACCTGGACATGCTGTCA
CCCATCCACACACCCCAGAGGACCGTGTTCAACTCAGAGACACAATCAGGACAGGATTCT
GTGGGCACTGACTCCAGCCAGCAAGAGGACTCTGGCCAGCATGCTGCCCCTCTGCCCGCC
CCGCCCATACTCTCCGGTGACACGCCCATAGCACCAACCCCGGAACAGATTGGGAAGCTG
CGCAGTGAGCTGGAGATGGTGAGTGGGAACGTGAGGGTGATGTCGGAGATGCTGACGGAG
CTGGTGCCCACCCAGGCCGAGCCCGCAGACCTGGAGCTGCTGCAGGAGCTCAACCGCACG
TGCCGAGCCATGCAGCAGCGGGTCCTGGAGCTCATCCCTCAGATCGCCAATGAGCAGCTG
ACAGAGGAGCTGCTCATCGTCAATGACAATCTCAACAATGTGTTCCTGCGCCATGAACGG
TTTGAACGGTTCCGAACAGGCCAGACCACCAAGGCCCCAAGTGAGGCCGAGCCGGCAGCT
GACCTGATCGACATGGGCCCTGACCCAGCAGCCACCGGCAACCTCTCATCCCAGCTGGCA
GGAATGAACCTGGGCTCCAGCAGTGTGAGAGCTGGCCTGCAGTCTCTGGAGGCCTCTGGT
CGACTGGAAGATGAGTTTGACATGTTTGCGCTGACACGGGGCAGCTCACTGGCTGACCAA
CGGAAAGAGGTAAAATACGAAGCCCCCCAAGCAACAGACGGCCTGGCTGGAGCCCTGGAC
GCCCGGCAGCAGAGCACTGGCGCGATCCCAGTCACCCAGGCCTGCCTCATGGAGGACATC
GAGCAGTGGCTGTCCACTGACGTGGGTAATGATGCGGAAGAGCCTAAGGGGGTCACCAGC
GAAGAATTTGACAAATTCCTGGAAGAACGGGCCAAAGCCGCGGACCGATTGCCCAACCTC
TCCAGCCCCTCAGCTGAGGGGCCCCCGGGTCCCCCATCTGGCCCAGCGCCCCGGAAGAAG
ACCCAGGAGAAAGATGATGACATGCTGTTTGCCTTATGA

Clone variation with respect to NM_005488.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005488 unedited

NNNGGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACCAGCCGCCCC
GCCCACGCCTCCTCGCCGGCCTCCGAGTGCGTCACGTGACGGGTCGGTGGCGCTGGCGGT
TGCTGTCAGCTGATTCCCGGGGTTGGTGGCAGCGGCGGTAGCAGCAATGGACTTTCTCCT
GGGGAACCCGTTCAGCTCTCCAGTGGGACAGCGCATCGAGAAAGCCACAGATGGCTCCCT
GCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGCGACATCATCAACGAGACGGAGGA
AGGTCCCAAAGATGCCCTCCGAGCAGTAAAGAAGAGAATCGTGGGGAATAAGAACTTCCA
CGAGGTGATGCTGGCTCTCACAGTCTTAGAAACCTGTGTCAAGAACTGCGGGCACCGCTT
CCACGTGCTGGTGGCCAGCCAGGACTTCGTGGAGAGTGTGCTGGTGAGGACCATCCTGCC
CAAGAACAACCCACCCACCATCGTGCATGACAAAGTGCTCAACCTCATCCAGTCCTGGGC
TGACGCGTTCCGCAGCTCGCCCGATCTGACAGGTGTGGTCACCATCTATGAGGACCTGCG
GAGGAAAGGCCTGGAGTTCCCCATGACTGACCTGGACATGCTGTCACCCATCCACACACC
CCAGAGGACCGTGTTCAACTCAGAGACACAATCAGGACAGGATTCTGTGGGCACTGACTC
CAGCCAGCAAGAGGACTCTGGCCAGCATGCTGNNCCCTCTGCCCGCCCCGCCCATACNTC
TCCGGTGACACGCCCATAGCACCAACCCCGGAAACAGATGNGAAGCTGCGCANTGAGCTG
GAAATGGTGAGTGGGAACGTGAGGGTGATGTCGGAGATGCTGANCGNAGCTGTGCCACCC
AGNCCGAGCCGCAGACCTGGACTGCTGCAGAGCTCAACGNACGTGCCGC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_005488 unedited
NAAGGTTCAGCTATGNACGCGGCCGCATCTATGTCGAGTTTTTTTTTTTTTTTTTTAGC
AGGGTGGTTTTCTACCTTTAATTGGGGATACAAAAGGCACCTCTCCCAGTACAAGAGGAT
CAACCAAGAGGTGAGCCCCAGTGCTGTGGTGCCCGGCCAGAAGGAACAGAGGAAGGATGG
AGGGCAAGGCAGCGGAGGGGCAGTGGGGCCCCAGCATCCCCTGAAGCCTCACCTGCAGCC
TGGGGCTGATGAGATCTCGCCCACTGCGCGCAGAGTTGCAGCTTCGTACCTGGGCCGCCG
CAGCTCCTCAGGGGGCCTCCACACCTCCACACCCTACCCTCAGTGGCCAGCCAAAGCCAT
GGGGCCCCATGCAGCAGAGCAGGGAAGGGACAAGAGGCTCGGCAGAATTTCCACTGTGGC
CAGCCTCCAGCCAGGCCTCGACTGGCAGTGTGGGCTCTGAAAGGCTCCTTGGGGCATGGG
CCCGGAGCAGGGTATCACTCAGTGAAAGAGAGTCACACTGGGTCAAGCAGCCAGCCAGCC
AGCCAGCCTGTCCTGGGGCCTCCACTTCTCAGCAAAGTCTCATGGTCAGCTGGGGTGGGA
AAGGAGGCAGAGCATCCAGATCCCACTGCAGCGCAGACCTGTCCCCCAGTTCATCCCACT
GCCTCCACACCCCCAGCCACAGCTGGGGGCAGCTCCCGTCTTCAAAGAAGAGGAAAAGGG
GGTAACAAGCCACCCCCAAAGCAGCCTTTACACCAGAGGTAGGGAGGGGAGTTCCCACCC
TAAAGTTGTGAGAACANTGGGGGACCTGGGGCTGCAAGGTGGCCCTACCCCACCCTTCTA
AGGGCAAACAGCTTGGTATTTA
```

Restriction Sites: ECoRI-NOT

ACCN: NM_005488

Insert Size: 2500 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_005488.1, NP_005479.1

RefSeq Size: 2310 bp

RefSeq ORF: 1479 bp

Locus ID: 10043

UniProt ID: O60784

Cytogenetics: 22q12.3

Domains: VHS, GAT

Protein Families: Druggable Genome

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 (1) represents the most predominant transcript and encodes isoform 1.