

Product datasheet for **SC108547**

TOM1L1 (NM_005486) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOM1L1 (NM_005486) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOM1L1
Synonyms:	SRCASM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108547 sequence for NM_005486 edited (data generated by NextGen Sequencing)

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ATGGCGTTTGGCAAGAGTCACCGGGATCCCTACGCGACCTCCGTGGGCCACCTCATAGAA
AAGGCTACATTTGCTGGAGTTTCCAGACTGAAGATTGGGGCCAGTTCATGCACATCTGTGAC
ATAATTAACACTACCCAGGATGGGCCAAAAGATGCAGTGAAGCTTTGAAGAAAAGGATT
TCCAAAAACTACAATCATAAAGAAATCCAACCTACCTTGTCACTTATTGACATGTGTGTG
CAGAAGTGTGGTCCAAGTTTCCAGTCTCTGATTGTGAAGAAGGAATTTGTTAAAGAGAAT
TTAGTTAAGCTACTGAATCCCAGATACAACCTTGCCATTAGACATTCAGAATAGAATCTTG
AATTTTCATTAAGACTTGGTCCAGGGCTTCCCAGGAGGTGTGGATGTAAGCGAAGTCAAA
GAAGTATACCTCGACCTGGTTAAGAAAAGGCGTTCAGTTTCTCCCTCAGAAGCAGAGGCT
GAAACAGCAAGACAAGAGACTGCTCAAATCTCATCAAATCCTCCAACATCTGTCCCTACT
GCACCAGCTCTTTCTTCTGTAATTGCTCCAAAGAACTCGACTGTTACATTGGTCCCAGAA
CAGATTGGAAGAACTGCACAGTGAATTGGATATGGTGAAAATGAATGTGCGAGTGTGTCC
GCCATATTGATGGAGAATACTCCTGGGTCTGAAAACCATGAAGACATAGAGCTTCTCGAG
AAACTCTATAAAACAGGTCGGGAGATGCAGGAGAGGATCATGGACCTGCTTGTGGTGGTG
GAGAACGAAGATGTAACCTGTTGAGCTAATTCAGGTGAATGAGGATTTGAATAATGCTATC
CTTGGATATGAGAGGTTTACTAGAAAACCAAAAGGATTTTGGAGCAAAAATAAGAACCAG
AAGGAAGCCACCAATACTACCAGTGAGCCTTCTGCCCCATCTCAAGATCTCCTCGACCTA
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AGGACCAGCCAAAACCTCACCTCAAGCCACGCATATGATAATTTTCTGGAACATTCAAAT
TCAGTGTCTTCTACAGCCAGTTAGTCTACAAACCATTCAGCAGCACCATTCAAACCCAGT
CTGCCACCTTTGCCAGCAATCATCCAGCGATGACAAAAAGTGATCTCCAGCCACCTAAT
TACTACGAGGTAATGGAGTTTGTATCCCTTAGCTCCTGCTGCTCACTACAGAAGCTATTAT
GAAGAAATTGATGCTCACCAGCACAAAGGAGCTCAAATGATGGTGACTGA

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Clone variation with respect to NM_005486.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005486 unedited

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TGTTCAAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACCAGGTGGAGGCGG
ATTTCTGGGCCCGGCCCTCTGGCGCTACCATGGCGTTTGGCAAGAGTCACCGGGATCCC
TACGCGACCTCCGTGGGCCACCTCATAGAAAAGGCTACATTTGCTGGAGTTCAGACTGAA
GATTGGGGCCAGTTCATGCACATCTGTGACATAATTAACACTACCCAGGATGGGCCAAAA
GATGCAGTGAAGCTTTGAAGAAAAGGATTTCCAAAACTACAATCATAAAGAAATCCAA
CTTACCTTGTCACTTATTGACATGTGTGTCAGAACTGTGGTCCAAGTTTCCAGTCTCTG
ATTGTGAAGAAGGAATTTGTTAAAGAGAATTTAGTTAAGCTACTGAATCCCAGATACAAC
TTGCCATTAGACATTCAGAATAGAATCTTGAATTCATTAAGACTTGGTCCAGGGCTTC
CCAGGAGGTGTGGATGTAAGCGAAGTCAAAGAAGTATACCTCGACCTGGTTAAGAAAAGGC
GTTTCAGTTTCTCCCTCAGAAGCAGAGGCTGAAACAGCAAGACAAGAGACTGCTCAAATC
TCATCAAATCCTCCAACATCTGTCCCTACTGCACCAGCTCTTTCTTCTGTAATTGCTCCA
AAGAACTCGACTGTTACATTGGTCCCAGAACAGATTGNAAACTGCACAGTGAATTGGAT
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GAAACCATGAAGACATAGAGCTTCTGCAGAACTCTCATAAACAGGTCGGGAGATGCAGN
AGAAATCATGGACCTGCTTGTGTGNTNAGAACGCAGATGTTACTGGTGAGCTAATTC
CAGTGATGAGGATTTG

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005486 unedited NTTTATCTTTGGACGCGGCCGCAATCTANATCGAGTTTTTTTTTTTTTTTTTTTTATTTT AATAGTGATTTATTTGTCATCAAATGTACAACCTATTCTAAATATTTTCATTTTCTGTGT TCTAAATAGAAATATTAAGTTGCAGTAAAAAGAGAAAAAAGGCTATTTAGCATTACAAA GAATCATATTTAAAGGCTGCCAATGTAGAGTCTAGTGACCTGTTGAGGACACCTGAAAT ATAATTAATGACAATTATCAAGGTTTTAACAAATTTATAATTCTAAACCAGAGGATTATA AAGAAGTGCAAAATTGACTTTTACATTCAACTTTAGTTAAATGAAGGCACTCAGTATTCTT CCTGAATAATACATTCAGTTTCTCACATTTTATGCTTTCATCTATTCAGAATTATTTTCAT AGTAAATAATCTACTCTTATCACAGCTGTGTGACGATTCTAAATGTAGGAAGGCTGT GAAACATGACACTGCAGTTAAATTGGTTGGCCTAAGGACTAAGTAATTTTTCTTCTGCTG AAGTTTTAAGTGAGTATTTGTTCCAAACAAGTTCTGTTGAAATCTCACGCTGTTGTCAGG AATCAGTGTTATCCTGGAAGTACTCTATTTAATCTTCATTATAGCAGAAATGTGCCA CCATGGCTTTGACATGTTGGTAGGTATTGTCTCCAGGCTCAAAGCTGCACAGAGGCTA CGTTNTAGAGAGTTGGCACCTTTGATGTGGTAGTGAGCTGATCATCCACTTTCNTCTCAG TCACCATCATTNTGAGCTNCTTTGTGCTGGTGAGCATCAATTTCTCATAAATAGCTNCT GTAGTGACAGCAGGAGCAAGGNATCAAACCTCCATTACCTCGTAGTAATAGGTGGCTCGG AGACACCTTTTGCATCGCTGGATGAATGCTGGNCAAAGGTGGCAGACTCTGGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_005486
Insert Size:	2100 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:	<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:	NM_005486.1 , NP_005477.1
RefSeq Size:	2177 bp
RefSeq ORF:	1431 bp
Locus ID:	10040
UniProt ID:	O75674
Cytogenetics:	17q22
Domains:	VHS, GAT

Gene Summary:

Probable adapter protein involved in signaling pathways. Interacts with the SH2 and SH3 domains of various signaling proteins when it is phosphorylated. May promote FYN activation, possibly by disrupting intramolecular SH3-dependent interactions (By similarity). [UniProtKB/Swiss-Prot Function]