

Product datasheet for **SC114785**

TOMM70A (TOMM70) (NM_014820) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOMM70A (TOMM70) (NM_014820) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOMM70A
Synonyms:	Tom70; TOMM70A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114785 sequence for NM_014820 edited (data generated by NextGen Sequencing)

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ATGGCCGCCTCTAACCTGTGGAGGCAGCGGTGGTCGCAGCCGCTGTACCGAGCTCCGGG
AGTGGGGTGGGCGGCGGGGACTGCGGGCCCGGGCACGGGGGGGCTGCCGCGATGGCAG
CTGGCTCTGGCGGTGGGGCACCCCTGCTGCTGGGCGCGGTGCCATATACTGTGGAGT
CGGCAGCAACGGCGCCGGGAGGCCAGAGCCGGGGCGACGCCAGCGGCCTGAAGCGCAAC
AGCGAACGGAAGACCCCGGAGGGCAGGGCCAGTCCGGCCCGGGCAGCGGACACCCTGAA
GGTCCCGGTGCTCACTTGACATGAACTCTTTGATAGAGCCCAAGCAGCCAAGAATAAA
GGCAATAAATATTTTAAAGCAGGAAAATATGAACAAGCTATTCAGTGCTATACTAGGCT
ATTAGCTTGTGCCTACAGAGAAGAATGTTGACCTTTCTACATTTTATCAAAACAGAGCT
GCTGCCTTTGAACAGTTGCAAAAATGGAAGAAGTGGCACAAGACTGTACAAAAGCTGTT
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GACAATAAGAAGGAATGTTTAGAAGATGCTACTGCTGTGTATATTAGAAGGGTTCCAA
AATCAACAAAGCATGCTGTTAGCCGATAAAGTTCTTAACTCCTTGAAAAGAGAAAGCC
AAAGAAAATATAAGAATCGTGAACCTCTGATGCCATCTCCACAGTTTATCAAATCTTAC
TTCAGTTCTTTCACGGATGATATCATTTCCAGCCATGCTTAAAGGAGAGAAAATCTGAT
GAAGATAAAGACAAGGAAGGGGAGGCTTTAGAAGTGAAAGAAAATTCTGGATACTTAAAG
GCCAAACAGTATATGGAAGAAGAAAACACTACGATAAAAATCATAAGTGAATGCTCAAAGAA
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GCAGATGTTTATCACACCGAGGACAGCTGAAAATACTCCTTGATCAAGTTGAAGAAGCA
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CTATACGCCCAGGCATTAACAGATCAACAACAGTTTGGTAAAGCTGATGAAATGTATGAT
AAATGTATTGATTTGGAACCAGATAATGCTACAACATATGTTTATAAAGGTTTACTTCAA
CTTCAGTGAAGCAAGATCTGGATAGAGGTTTGGAACTTATCAGCAAGGCTATTGAAATT
GACAATAAATGTGATTTGCCTATGAAACCATGGGAACTATTGAAGTACAAGAGGAAAC
ATGGAGAAAGCCATTGACATGTTCAACAAGCTATTAACCTGGCCAAATCGGAAATGGAG
ATGGCCCATCTGTATTCACTTTGCGATGCCGCCATGCCAGACAGAAGTTGCAAAGAAA
TACGGATTAACCACCAACATTATAA

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Clone variation with respect to NM_014820.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014820 unedited
 GGGGTGGGGGTAATCANGTTTCCTTCCCCCNGCCGTTCAATTTGTNATACGNATT
 ACTATAGGCGCCCGNAATTCGCACGAGGCTCGCTCGCTCATTGCTTTCCTTCCCTCCC
 TCGGTCTTCTTCGCACGCTGTTTGGTGATTGTGGCGCTCGGCACAGACAGGGAGGCGGT
 GGCAGAGGACACTTGTATGGCCGCCTCTAACCTGTGGAGGCAGCGGTGGTCGCAGCCG
 CTGTACCGAGCTCCGGGAGTGGGGTGGGCGGCGGGGACTGCGGGCCCGGGCACGGGGG
 GGCTGCCCGATGGCAGCTGGCTCTGGCGGTGGGGCACCCCTGCTGCTGGGCGCGGGTG
 CCATATACCTGTGGAGTCGGCAGCAACGGCGCCGGGAGGCCAGAGGCCGGGGCGACGCCA
 GCGGCCTGAAGCGCAACAGCGAACGGAAGACCCCGGAGGCGAGGCCAGTCCGGCCCCGG
 GCAGCGGACACCCTGAAGTCCCGGAGCTCACTTGACATGAACTCTTGTATAGAGCCC
 AAGCAGCAAGAATAAAGCAATAAATATTTAAAGCAGGAAAATATGAACAAGCTATTC
 AGTGCTATACTGAGGCTATTAGCTTGTGCCCTACAGAGAAGAATGTTGACCTTTCTACAT
 TTTATCAAAACAGAGCTGCTGCCTTTGAACAGTTGCAAAAATGAAAGAAGTGCCACAAG
 ACTGTACAAAAGCTGTTGAACTTAATCCCAATATGTGAAAGCTCTTTTAGACGTGCAAA
 AGCCCATGAGAAGCTAGACCAATAGAGGCATGTTACCAGATGCTACTGCTGTGTGTATA
 TTAGAAGGGTTCCAAATCAACAAAGCATGCTGGTAGCCGATAAGTTCTTTAACTCCTTGC
 AAAAGAGAAGCCCAAGAAAATTTAGCAATCGGGACCCTTGATGCCTCTTCCCAGTTTATC
 AA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014820 unedited
 TATGAGACACGACGCGCAACGCTATATTCTNAANTANTGCGAAGCTTCTTCTCTTTTTTT
 CTTCTTTCTGCAATGCTAATATCTTATTCTGGTGAATTTACATGTGAGGTCATTTACAA
 AACAAAGCATAACAGACAGATGCAGCTTTCAGTGCAGTTCAAACATTTTACAACAGGCA
 ATACTCCCATGAGAATTTGGAATGACAGCATAGAATGGCACATGCTTCAGCTACCTTTGT
 GACTCTTACCCACCCCAACATGAAAGAAGGGACAACAGCCCAACAAAATGCCAGTGCT
 AATGCAACACAGCCATGCCCCACCCACCTTTCTTAAAGCCATAGGCTATTACACATGC
 CCAACATTCCTGTCTTCGGGGGCTATCCCAAGGCGCCTCCTTCAAAAACACAACCTGCCCC
 GCCCCCCAACTCCCATCCTCCCCCCTCCACCATCATCTCACCTCCCCCGCCTCCTCAC
 CGACCCCGGCCCATCTCCCCCACACCCGACCTGCCAGGGCACTCCTTCCCATTCTAT
 TCCACACAACCCCTCCGCACTACCTTCCCTTGCCCCCACACACCCCCCCCCCTCA
 AAGGGGTGCCCCATGTACCTCCACTCCCTTGGTGTGCCCGTTCCCGTCCCTCNCCTCCT
 CACCATTCCCCCACCCCATCCTCCTCCCCACACCCCTCCCCCGCCACCCCTCCT
 CTTCCCTCTCGGCACGACCCCTCCCAACCCACCCGCTGCCCTTCCCTCCCGACCTGGC
 TCCTAACCCACCATACATCCCCTCCCTGCAGCGCTAACAAACCCCAACTCTGCACACCGA
 CCACCACACCGCACCTGTTGCCCTTCTCTACAATCTCGCCTCTTCTCCTCCGACCCC
 TCCTCCTCCCACTCCTCCCCACGCGCCACCTACTCCACCCGCTCACCCACTACACT
 CCCCCGCTACCGCAACCCCTCCCGGCTCCATACTCCTTACCCCCACCCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_014820

Insert Size:

4100 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_014820.3](#), [NP_055635.3](#)

RefSeq Size: 4376 bp

RefSeq ORF: 1827 bp

Locus ID: 9868

UniProt ID: [O94826](#)

Cytogenetics: 3q12.2

Domains: TPR

Protein Families: Transmembrane

Gene Summary: This gene encodes an import receptor of the outer mitochondrial membrane that is part of the translocase of the outer membrane complex. This protein is involved in the import of mitochondrial precursor proteins. [provided by RefSeq, Oct 2011]