

Product datasheet for **SC115863**

TOMM34 (NM_006809) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOMM34 (NM_006809) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOMM34
Synonyms:	HTOM34P; TOM34; URCC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115863 sequence for NM_006809 edited (data generated by NextGen Sequencing)

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ATGGCCCCCAAATCCCAGACTCTGTGGAGGAGCTCCGCGCCCGCGCAATGAGAGTTTC
CGCAACGGCCAGTACGCCGAGGCTCCGCGCTCTACGGCCGCGCGCTGCGGGTGCAG
GCGCAAGTTCTTCAGACCCAGAAGAAGAAAGTGTCTCTACTCCAACCGAGCAGCATGT
CACTTGAAGGATGGAACTGCAGAGACTGCATCAAAGATTGCACTTCAGCACTGGCCTTG
GTTCCCTTCAGCATTAAGCCCCTGCTGCGGCGAGCATCTGCTTATGAGGCTCTGGAGAAG
TACCCTATGGCCTATGTTGACTATAAGACTGTGCTGCAGATTGATGATAATGTGACGTCA
GCCGTAGAAGGCATCAACAGAATGACCAGAGCTCTCATGGACTCGCTTGGCCTGAGTGG
CGCCTGAAGCTGCCCTCAATCCCCTTGGTGCCTGTTTCAGCTCAGAAGAGGTGGAATTC
TTGCCTTCGGAGAACCACAAAGAGATGGCTAAAAGCAAATCCAAAGAAACCACAGCTACA
AAGAACAGAGTGCCTTCTGCTGGGGATGTGGAGAAAGCCAGAGTTCTGAAGGAAGAAGGC
AATGAGCTTGTAAGAAGGAAACCATAAAGAAAGCTATTGAGAAGTACAGTAAAAGCCTC
TTGTGTAGTAACCTGGAATCTGCCACGTACAGCAACAGAGCACTCTGCTATTTGGTCCTG
AAGCAGTACACAGAAGCAGTGAAGGACTGCACAGAAGCCCTCAAGCTGGATGGAAAGAAC
GTGAAGGCATTCTACAGACGGGCTCAAGCCCACAAAGCACTCAAGGACTATAAATCCAGC
TTTGCAGACATCAGCAACCTCCTACAGATTGAGCCTAGGAATGGTCTGCACAGAAGTTG
CGGCAGGAAGTGAAGCAGAACCTACTACTAA

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Clone variation with respect to NM_006809.4



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006809 unedited
 GTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGGAAGGAGCTCCCAACT
 CGCCGGCTGGCCACGGGATGGCCCCAAATCCCAGACTCTGTGGAGGAGCTCCGCGCC
 GCCGGCAATGAGAGTTTCCGCAACGGCCAGTACGCCGAGGCTCCGCGCTCTACGGCCG
 GCGCTGCGGGTGTGCAGGCGCAAGTTCTTCAGACCCAGAAGAAGAAAGTGTCTCTAC
 TCCAACCGAGCAGCATGTCACTGAAGGATGAAACTGCAGAGACTGCATCAAAGATTGC
 ACTTCAGCACTGGCCTTGTTCCCTTCAGCATTAAAGCCCTGCTGCGGCGAGCATCTGCT
 TATGAGGCTCTGGAGAAGTACCCTATGGCCTATGTTGACTATAAGACTGTGCTGCAGATT
 GATGATAATGTGACGTACGCCGTAGAAGGCATCAACAGAATGACCAGAGCTCTCATGGAC
 TCGCTTGGGCCTGAGTGGCGCCTGAAGCTGCCCTCAATCCCCTTGGTGCCTGTTTCAGCT
 CAGAAGAGGTGGAATTCCTTGCCTTCGGAGAACCACAAAGAGATGGCTAAAAGCAAATCC
 AAAGAAACCACAGCTACAAAGAACAGAGTGCCTTCTGCTGGGGATGTGGAGAAAGCCAGA
 GTTCTGAAGGAAGAAAGGCATGAGCTTGTAAAGAAGGGAAACCATAAGAAAGCTATTGAG
 AAGTACAGTGAAGCCTTGTGTAGTAACTGGAATCTGCCACGTACAGCAACAGAGCA
 CTCTGCTATTTGGTCCCTGAGCAGTACACAGAAGCAGTGAAGGACTGCACAGAAGCCTCA
 AGCTGGATGGAAGAGCGTGAAGGATTCTACAGACGGGCTCAAGCCACAAAGCACTCAGG
 GACTATAAATCCAGCTTTNGCAGACTNAGCNACCCTCCTACAGATGGACCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006809 unedited
 ACCGCATCTAGGATCGAGTTTTTTTTTCTTTTTTTTTTTTTTAAAAAAGCTTGTTAATG
 CAACAGCTTAAACACACACCCCAACAAAATCAGTCAATTCAAATTAACCTCAACATATTA
 CAAAGAATATGAAGCCCGGAGAAGGCCACTGTTGGAACAAAAACCAAGTCCCTGCCCA
 GAAAGCATGGACTGACCAAGGATGTTTCTTGACCCCTACCACCTCTAGGAGGAGCAGC
 CACAATCACTGGGCTCTTAAACAGCTTAGGTGCCTCTCTGCAGAAGGCAGCAGCCAGA
 GTCAAGGACAACCATTCAAGGGGTAGGGCTCTGCCTCCACCCAGGAGGGCCCGAACAG
 AAGGCACTGGGGCTCAGACATAGGACTGTGCAAGGACAGGACAGGGCAGGCACAGCAG
 CTGCACACCTGCAGAGACTGCAGTCTGTAGAACCAGTCCACACGCTGTTCTGCATCAG
 GGCCTTACGTTTATACCCTCCTCCACACGGCCAGGAGCTAAGGTTGCCCAAATGACCT
 GCCGTGAGCTGCCGCTCTGCGGAACCTACAAGGGCAGCCACTCACCTTGCCCCCATTG
 GCCAAGACCAACGAAAAGCTTTGCCTGATGAAGAATCTGTGGTGGCACAACCCCTACCT
 GGCTGGGGCAACACGGACCGAGCTTAAACCTCCAGCCTAACTTTACGGGGACCTTCTC
 TGGGGGCAAAACCATGGCCGGGGCTTGAATACACTTCCCGTAAATTGGAACCAACACC
 TCTTAACCGGGGGAGGCTCCACGGACTGAGGGAGGGGCCCAAGTTCCCTGGGGCATG
 CCCGGTTACGGAGGTGCCCAACAGGGGCCAGGCTTCCCTGGTCCCAGCAAGGGG
 ACAACCCACCGCGGTGCTTCCCAAATACCCCCCTATTCCCAGCCCCCGCCCTC
 TCTCCGTTTACCCCGGGCCTCCGTTTACCGTACACGCAACACGGCCCAATCCTCCG
 CACCCACGCACAGCCCCGCTTATCATACCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_006809

Insert Size:

1960 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_006809.4](#), [NP_006800.2](#)

RefSeq Size: 2066 bp

RefSeq ORF: 930 bp

Locus ID: 10953

UniProt ID: [Q15785](#)

Cytogenetics: 20q13.12

Domains: TPR

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is involved in the import of precursor proteins into mitochondria. The encoded protein has a chaperone-like activity, binding the mature portion of unfolded proteins and aiding their import into mitochondria. This protein, which is found in the cytoplasm and sometimes associated with the outer mitochondrial membrane, has a weak ATPase activity and contains 6 TPR repeats. [provided by RefSeq, Jul 2008]