

Product datasheet for **RN202968**

Tomm34 (NM_001044244) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tomm34 (NM_001044244) Rat Untagged Clone
Tag: Tag Free
Symbol: Tomm34
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN202968 representing NM_001044244
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCAAAGTCTCGGACTCTGTGGAACAGCTCCGCGCTGCCGGCAACCAGAACTTCCGCAATGGCC
AGTACGGCGAGGCCTCCGCGCTGTACGAGCGCGCACTGCGGCTGCTGCAGGCGGAGGTTCTGCAGACCC
AGAAGAAGAGAGTGTCTGTACTCCAACCGTGCAGCGTCTACTTGAAGGATGGGAACTGCACAGACTGC
ATCAAAGATTGCACCTCAGCACTGGCCTTGTTCCCTTCAGCATCAAGCCCTTGTGCGAAGAGCATCTG
CATATGAAGCTCTGGAGAAGTACTCCCTGGCCTATGTCGACTATAAGACTGTGCTGCAGATCGACAACAG
TGTGGCATCAGCCCTGGAAGGCATCAACAGAATAACCAGAGCTCTCATGGACTCCCTTGGACCTGAGTGG
CGCCTCAAGCTGCCCCCTATCCCTGTGGTGCCTGTGTCAGCCCAGAAGAGATGGAGTTCCTTGCCTTCGG
AGAACCACAAAGAGACAGCTAAAAGCAAATCCAAAGAAACCACAGCTACGAAGAACAGAGTGCCTTCTGC
TGGGGATGTGGAGAGAGCCAGAGTTCTGAAGGAAGAAGGCAATGAGCTTGTAAAGAAAGGCAACCATAAG
AAAGCTATTGAGAAGTACAGTAAAAGCCTCTTGTTTAGTAGCCTGGAATCTGCCACATACAGCAACAGAG
CGCTATGTCATCTGGTCTGAAGCAGTACAAGGAGGCAGAGAAGGACTGCACAGAAGCCCTCAAGCTGGA
TGGGAAGAATGTAAGGCCTTTTACAGACGCGCTCAAGCCTACAAGGCACTCAAGGACTATAAATCCAGC
CTTGCGGATATCAGCAGCCTTCTACAGATTGAACCCAGGAATGGCCCTGCACATAAGCTACGGCAGGAGG
TTAACCAGAACATGAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001044244
Insert Size: 930 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:	<u>NM_001044244.2</u> , <u>NP_001037709.1</u>
RefSeq Size:	1798 bp
RefSeq ORF:	930 bp
Locus ID:	311621
UniProt ID:	<u>Q3KRD5</u>
Cytogenetics:	3q42
Gene Summary:	Plays a role in the import of cytosolically synthesized preproteins into mitochondria. Binds the mature portion of precursor proteins. Interacts with cellular components, and possesses weak ATPase activity. May be a chaperone-like protein that helps to keep newly synthesized precursors in an unfolded import compatible state (By similarity).[UniProtKB/Swiss-Prot Function]