

Product datasheet for **MC201040**

Tomm34 (NM_025996) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tomm34 (NM_025996) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tomm34
Synonyms:	2610100K07Rik; TOM34
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC018278 sequence for NM_025996
 AGCTGTTGCGCACCACTTAGCTGGGAAGTGC GTTCTCCCTGTTTCCCAGCCCACCCGAGATGGCCCCCA
 AAGTCTCGGATCCGTGGAAACAGCTCCGCGCTGCCGGCAACCAGAACTTCCGCAATGGCCAGTACGGCGA
 AGCCTCGGCGCTGTACGAGCGCGCACTGCGGCTGCTGCAGGCGCGAGGTTCTGCAGACCCGAAGAAGAA
 AGTGTCTGTACTCCAACCGTGCAGCGTGTACTTGAAGGATGGGAACTGCACAGATTGCATCAAAGATT
 GCACTTCCGCGCTGGCCTTGGTTCCCTTCAGCATCAAGCCCTTGTGCGCAGAGCATCTGCATATGAAGC
 CCTGGAGAAGTACGCCCTGGCCTACGTTGACTATAAGACTGTGCTGCAGATCGATAACAGTGTGGCATCC
 GCCTGGAAGGCATCAACAGAATAACCAGAGCTCTCATGGACTCCCTGGGACCTGAGTGGCGCCTGAAGC
 TGCCCCCTATCCCTGTGCTGCTGTTTACGCCAGAAGAGATGGAATTCCTTGCCTTCAGATAACCACAA
 AGAGACAGCTAAAACCAATCCAAGAAGCCACAGCTACGAAGAGCAGAGTGCCTTCTGTGGGGATGTG
 GAGAGAGCCAAAGCTCTGAAGGAAGAAGGCAATGACCTTGTAAAGAAGGGCAACCATAAGAAAGCTATTG
 AGAAGTACAGTGAGAGCCTTTGTGTAGTAGCCTGGAGTCTGCCACATACAGCAACAGAGCGCTCTGTCA
 CCTGGTCTGAAGCAGTACAAGGAGGCAGTAAAGGACTGCACAGAAGCCCTCAAGCTGGATGGGAAGAAT
 GTAAGGCGTTTTACAGACGGGCTCAAGCCTACAAGGCACTCAAGGACTATAAGTCAAGCCTTTTCGGATA
 TCAGCAGCCTCTACAAATTGAACCCAGGAATGGCCCTGCACAGAAGTTACGGCAGGAAGTTAACAGAA
 CATGAACTAAACCGTAGAGGGCAACAGGGACCCTGAACTTGACCTTCCCAGAGAAGCCAGGGCCTCCCTT
 GCATCTGCCCAATGCCAGCATGCCGCAAGGGAGTGC AAAATCAACCCCACTTTGACTCCTTGGAGAG
 GTAGCAGCCTTTACCTGACACATTTTACTTGTTCAGATTAAGTCCATTACAGACAAGCAGGACTCTT
 TTTTTTTTTCTTTTTCAGAAAAGTCCCACTAGAGGTTTTTGTGTTTTTATTTTAATT
 TAAAAAGCGTGACGCCAACAGCCCTGGCCTATTTCGCTTGTCTTGCCTGGCCCTTGTCAACACAGTCC
 TTGGCAACTGTCCCTGACCCAGATATGCACAGACTGGGTGCCTGTGACTTCTCTGCCGCATAGCTCTG
 CAGTTCACCTGAGTGTGACAGGCTAGAAGTGTGCTCGTCCGACGCCACAGCGGCTGTTGAGCTGGT
 TCTCCAAGGCTGCCTGCCATCTCCTCGAGGAGACAGCTGCTGTCTGCACCCTGTCTTGCACAGGTCTCC
 TGTGTTGAGCCCAAGTGCCTTGTAGTCCAGGCCCTTTGTGGGAAGGCAGAGCCTAACCCCTTGGAGCCTCTG
 TGTGTTGCCTTCTGTCTGAGCTACCTACGATGTTCAAAGAGCCAGATTCTCTCTGCAATGGGGAGAGA
 GGCTCCTTGAGATTAGTGTCCCTCCAGTCTGAGCAGGAACCTTAACCTTTTCCCATAGCAGCAGCCCC
 TCGGGCTCCTTTGTTTTGTTTTGTTTGTAAATATGTTGGAGTTAATTGAACTGATTTTATTGAAGTGTG
 TGTTGCTGTTGCATTAAGGTTTTCTTCTATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_025996

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:

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: [BC018278](#), [AAH18278](#)

RefSeq Size: 1892 bp

RefSeq ORF: 930 bp

Locus ID: 67145

UniProt ID: [Q9CYG7](#)

Cytogenetics: 2 H3

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]

Transcript Variant: This variant (Tom34b) contains an alternate 5' terminal exon and it thus differs in the 5' UTR and 5' coding region, compared to variant Tom34a. The encoded isoform (b, also known as Tomm34b) has a distinct N-terminus and is the same length as isoform a.