

Product datasheet for MC226942

Tomm34 (NM_001291155) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tomm34 (NM_001291155) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tomm34
Synonyms: 2610100K07Rik; TOM34
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226942 representing NM_001291155
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCCCAAAGTCTCGGATTCGGTGGAAACAGCTCCGCGCTGCCGGCAACCAGAACTCCGCAATGGCC
 AGTACGGCGAAGCCTCGGCGCTGTACGAGCGCGCACTGCGGCTGTGCAGGCGGAGGTTCTGCAGACCC
 CGAAGAAGAAAGTGTCTGTACTCCAACCGTGCAGCGTGTACTTGAAGGATGGGAACTGCACAGATTGC
 ATCAAAGATTGCACTTCCGCGCTGGCCTTGGTTCCCTTCAGCATCAAGCCCTTGCTGCGCAGAGCATCTG
 CATATGAAGCCCTGGAGAAGTACGCCCTGGCCTACGTTGACTATAAGACTGTGCTGCAGATCGATAACAG
 TGTGGCATCCGCCCTGGAAGGCATCAACAGAATAACCAGAGCTCTCATGGACTCCCTGGGACCTGAGTGG
 CGCCTGAAGCTGCCCCCTATCCCTGTGGTGCCTGTTTCAGCCCAGAAGAGATGGAATTCCTTGCCTTCAG
 ATAACCACAAAGAGACAGCTAAAACCAATCCAAAGAAGCCACAGCTACGAAGAGCAGAGTGCCTTCTGC
 TGGGGATGTGGAGAGAGCCAAAGCTCTGAAGGAAGAAGCAATGACCTTGTAAAGAAGGGCAACCATAAG
 AAAGCTATTGAGAAGTACAGTGAGAGCCTCTTGTGTAGTAGCCTGGAGTCTGCCACATACAGCAACAGAG
 CGCTCTGTACCTGGTCTGAAGCAGTACAAGGAGGCAAGTAAAGGACTGCACAGAAGCCCTCAAGCTGGA
 TGGGAAGAATGTAAGGGGTTTTACAGACGGGCTCAAGCCTACAAGGCACTCAAGGACTATAAGTCAAGC
 CTTTCGGATATCAGCAGCCTCCTACAAATTGAACCCAGGAATGGCCCTGCACAGAAGTTACGGCAGGAAG
 TTAACCAGAACATGAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291155
Insert Size: 930 bp



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| 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_001291155.1</u> , <u>NP_001278084.1</u> |
| RefSeq Size: | 1940 bp |
| RefSeq ORF: | 930 bp |
| Locus ID: | 67145 |
| UniProt ID: | <u>Q9CYG7</u> |
| Cytogenetics: | 2 H3 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (Tom34a) contains an alternate 5' terminal exon and it thus differs in the 5' UTR and 5' coding region, compared to variant Tom34b. The encoded isoform (a, also known as Tomm34a) has a distinct N-terminus and is the same length as isoform b.</p> |