

Product datasheet for **RN211179**

Tomm70 (NM_212519) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tomm70 (NM_212519) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tomm70
Synonyms:	TOM70; Tomm70a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN211179 representing NM_212519
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCTCTAAGCCGTAGAGCGGGCATGGCGCGGCTGCTGCGCCGCTTCTGAAATGGAGTGG
 GCAGTAGCGGTGGGACTGCGGCCCCCGGCTCGGGCGCGGGGACCTGCCGCGATGGCACGTGGCGCTGGC
 CATCGGGGCGCCCTGTTGCTGGGTGCTGGGGCCATGTACCTGTGGAGCCGAAGACGGAGGCGCCGGGAA
 GCCGGAGGCGGGGCGACGCCAGCGGCCTGAAGCGCAACAGCAACGAAAGACCCAGAGGGCAGGGCCA
 GTCCGGCCCTGGGCAGTGGCCCCGACGGTCTGGTGACTCCCTGGAAATGAGCTCTCTGGATAGAGCCCA
 AGCAGCCAAAAATAAAGCAACAATAATTTCAAAGCAGGAAAATATGAGCAAGCTATTCAGTGCTATACC
 GAGGCTATTAGTCTGTGCCCTACTGAGAAGAATGCAGACCTCTACATTTTATCAGAACAGAGCTGCTG
 CCTTTGAACAGTTGCAAAAATGGAAAGAAGTGGCCCAAGATTGTACAAAGCCGTTGAACCTAATCCCAA
 ATATGTGAAAGCTCTCTTAGACGTGCAAAAGCCCATGAGAAGCTAGACAATAAGAAGGAGTGTAGAA
 GATGTCACCTGCTGTGTATATTAGAAGGGTTTCAAATGAGCAGAGCATGCTGTAGCTGATAAAGTTC
 TAAACTTCTCGGAAAGAGAATGCCAAAGAAAAATATAAGAACCAGGAACTCTGATGCCATCTCCACA
 GTTTATTAATCTTACTTCAGTCTTTACGGATGACATAATTTCTCAGCCAATGCTTAAAGGAGAGAAG
 TCTGACGAAGTAAGGACAAGGAGGGAGAAGCGTTAGAAGTAAAAGAAAATCTGGATATTTAAAAGCTA
 ACAAATATATGGAAGAAGAAAATATGACAAAATCATAAGTGAATGCTCAAAGGAAATAGATGCTCAAGG
 CAAATACATGGCAGAGGCATTACTACTACGAGCCACCTTCTACTTGCTTATTGGCAGTGCCAACGCGGCC
 AAGCCTGACTTAGATAAAGTCACTAGTTTGAAGGAAGCTAACGTGAAGCTTCGAGCAAATGCCCTTATCA
 AAAGAGGCACCATGTGCATGCAGCAGCAGCAGCCTATGCTGTCTACTCAGGACTTCAACATGGCTGCTGA
 GATTGACCCATGAACTCGGATGTTTATACCACCGAGGACAGCTGAAAATCCTGCTGGATCTAGTTGAA
 GAAGCAGTGCCAGATTTTGATGCATGTATCAGACTAAGACCGAAGTTTGCTTTGGCACAGGCTCAGAAGT
 GTTTTGCATTGTATCGGCAGGCATATACAGCAAACAATTTCTCGCAAGTCCAGGCAGCTATGAAAGGTTT
 TGAAGAAGTCATAAAGAAATTTCCAAGGTGTGCTGAAGGCTATGCACTTTATGCCAGGCATTAACAGAT
 CAACAACAATTTGGTAAAGCTGATGAAATGTATGATAAATGTATTGATTGGAACCAGATAATGCTACAA
 CTTATGTTCAAAAGTTTACTTCAACTCAGTGAAGCAAGATTTGGATAAAGGTTTGGAGCTTATCAG
 CAAAGCTATTGAAATTGACAACAATGTGACTTTGCGTATGAGACCATGGGGACTATTGAAGTGCAGAGA
 GAAACATGGAGAAAGCCATTGACATGTCAACAAGCTATCAACCTGGCCAAGTCGAAATGGAGATGG
 CTATCTGTACTCACTTTGTGATGCTGCCATGCCAGACAGAAGTAGCAAAGAAAATACGGATTAACC
 ACCGACATTATA**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_212519

Insert Size: 1833 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_212519.2](#), [NP_997684.1](#)

RefSeq Size: 2298 bp

RefSeq ORF: 1833 bp

Locus ID: 304017

UniProt ID: [Q75Q39](#)

Cytogenetics: 11q12

Gene Summary: mitochondrial-specific protein integral to the outer membrane; may be a component of the preprotein import machinery, a multisubunit complex involved in the recognition, unfolding and translocation of preproteins into the mitochondria [RGD, Feb 2006]