

Product datasheet for **SC114860**

TOMM20 (NM_014765) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOMM20 (NM_014765) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOMM20
Synonyms:	MAS20; MOM19; TOM20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114860 sequence for NM_014765 edited (data generated by NextGen Sequencing)

```
ATGGTGGGTCGGAACAGCGCCATCGCCCGGTGTATGCGGGGCCCTTTTCATTGGGTAC
TGCATCTACTTCGACCGCAAAGACGAAGTGACCCCACTTCAAGAACAGGCTTCGAGAA
CGAAGAAAGAAACAGAAGCTTGCCAAGGAGAGAGCTGGGCTTTCCAAGTTACCTGACCTT
AAAGATGCTGAAGCTGTTGAGAAGTTCTTCTTGAAGAAATACAGCTTGGTGAAGAGTTA
CTAGCTCAAGGTGAATATGAGAAGGGCGTAGACCATCTGACAAATGCAATTGCTGTGTGT
GGACAGCCACAGCAGTTACTGCAGGTCTTACAGCAAACCTTCCACCACCAGTGTCCAG
ATGCTTCTGACTAAGCTCCCAACAATTAGTCAGAGAATTGTAAGTGCTCAGAGCTTGGCT
GAAGATGATGTGGAATGA
```

Clone variation with respect to NM_014765.2



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014765 unedited CTTGGATTTTGTAAACACGACTTACTATAGGGCGGCCGCGCATTCCGGCACGAGGGACGACC TCGAGGCCCTTAGTTGACTGGGACCGGAAGTGGCGTGTGCTCGGCCTTTCTGTGTTCTG GCCCGCGCCGTGGGTGTGAGCTGCGCCGACCGCTCTGAGGGTTCGTGGCCACCGCTC CTTGCGGTCCCTGCCGCCACCGTCCACGCTCATCGTTGTAGAGAAGATGGTGGGTCGGA ACAGCGCCATCGCCGCCGGTGTATGCGGGGCCCTTTTCATTGGGTACTGCATCTACTTCG ACCGCAAAAGACGAAGTGACCCCAACTCAAGAACAGGCTTCGAGAACGAAGAAAGAAAC AGAAGCTTGCCAAGGAGAGAGCTGGGCTTCCAAGTTACCTGACCTTAAAGATGCTGAAG CTGTTCAAGATTCTTCTTGAAGAAATACAGCTTGGTGAAGAGTTACTAGCTCAAGGTG AATATGAGAAGGGCGTAGACCATCTGACAAATGCAATTGCTGTGTGGACAGCCACAGC AGTTACTGCAGGTCTTACAGCAAATCTTCCACCACAGTGTCCAGATGCTTCTGACTA AGCTCCCAACAATTAGTCAGAGAATTGTAAGTGCTCAGAGCTGGCTGAAGATGATGTGG AATGAGAAACAAATGTCAACATAATAAAATCTCAGTAAAAATATTTAAAAATCTTGG TAGTTGAGCAGCTCTGGGGGAATATGGCANATATGCTTGTATGAACCTACACTGAATCT ACCANAGTTAATGTTTACTTTGAGTAGATCCATTTGTCTATTTTATTTTCCAGT GAAAAGTGATTTTGATAGAGGACTTTTATTCTATAATACACTATGAGTACTAAATAT CATGGATTTGTTNATTCCTGAACATAGTACTAGTTAACTGACATAT
Restriction Sites:	NotI-NotI
ACCN:	NM_014765
Insert Size:	3000 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:	NM_014765.1 , NP_055580.1
RefSeq Size:	3259 bp
RefSeq ORF:	438 bp
Locus ID:	9804
UniProt ID:	Q15388
Cytogenetics:	1q42.3
Domains:	MAS20
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore (By similarity). Required for the translocation across the mitochondrial outer membrane of cytochrome P450 monooxygenases.[UniProtKB/Swiss-Prot Function]