

## Product datasheet for **RG203351**

### TOMM22 (NM\_020243) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TOMM22 (NM\_020243) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TOMM22  
**Synonyms:** 1C9-2; MST065; MSTP065; TOM22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203351 representing NM\_020243  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGCCGCCGTGCTGCTGCCGGTGCAGGGGAACCCAGTCCCCGGACGAATTGCTCCCGAAAGGCG  
 ACGCGGAGAAGCCTGAGGAGGAGCTGGAGGAGGACGACGATGAGGAGCTAGATGAGACCCGTGCGGAGAG  
 ACTATGGGCCTGACGGAGATGTTCCGGAGAGGGTCCGGTCCGCGGCCGGAGCCACTTTTGATCTTTCC  
 CTCTTTGTGGCTCAGAAAATGTACAGGTTTTCCAGGGCAGCCTTGTGGATTGGGACCACTTCCTTTATGA  
 TCCTGGTTCTTCCGTTGTCTTTGAGACGGAGAAGTTGCAAATGGAGCAACAGCAGCAACTGCAGCAGCG  
 GCAGATACTTCTAGGACCTAACACAGGGCTCTCAGGAGGAATGCCAGGGGCTCTACCCTCACTTCCTGGA  
 AAGATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG203351 representing NM\_020243  
 Red=Cloning site Green=Tags(s)

MAAAVAAAGAGEPQSPDELLPKGDAEKPEEELEEDDDEELDETLSERLWGLTEMFPERVRSAAAGATFDLS  
 LFVAQKMYRFSRAALWIGTTSFMILVLPVVFETEKLQMEQQQLQQRQILLGPNTGLSGGMPGALPSLPG  
 KI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_020243

**ORF Size:** 426 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_020243.5](#)

**RefSeq Size:** 1396 bp

**RefSeq ORF:** 429 bp

**Locus ID:** 56993

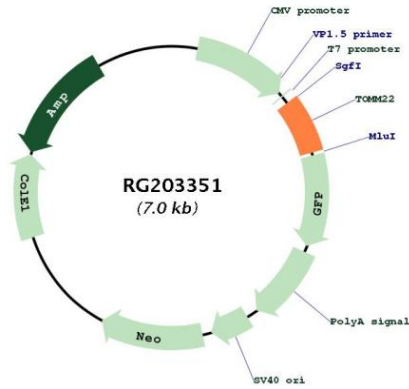
**UniProt ID:** [Q9NS69](#)

**Cytogenetics:** 22q13.1

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** The protein encoded by this gene is an integral membrane protein of the mitochondrial outer membrane. The encoded protein interacts with TOMM20 and TOMM40, and forms a complex with several other proteins to import cytosolic preproteins into the mitochondrion. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG203351