

Product datasheet for **RG205025**

TIMM17A (NM_006335) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TIMM17A (NM_006335) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TIMM17A
Synonyms: TIM17; TIM17A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205025 representing NM_006335
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAGTACGCGGAGAGCCTTGCCCATGGCGAATTGTGGATGACTGTGGTGGGGCCTTTACGATGG
 GTACCATGGTGGTGGTATCTTTCAAGCAATCAAAGGTTTTCGCAATTCTCCAGTGGGAGTAAACCACAG
 ACTACGAGGGAGTTTGACAGCTATTAACCAGGGCTCCACAGTAGGAGGTAGCTTTGCAGTTTGGGGA
 GGGCTGTTTTCCATGATTGACTGTAGTATGGTTCAAGTCAGAGGAAAGGAAGATCCCTGGAACCTCATCA
 CAAGTGGTGCCTAACGGGAGCCATACTGGCAGCAAGAAATGGACCAGTGGCCATGGTTGGGTGAGCCGC
 AATGGGTGGCATTCTCCTAGCTTAATTGAAGGAGCTGGTATCTTGTGACAAGATTTGCCTCTGCACAG
 TTTCCCAATGGTCTCAGTTTGACAAGACCCCTCCAGTTGCCCTCAACTCAGTTACCTTCTCACCTT
 TTGGAGACTATCGACAATATCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205025 representing NM_006335
 Red=Cloning site Green=Tags(s)

MEEYAREPCPWRIVDDCGGAFTMGTIGGGIFQAIKGFNRNSPVGVNHLRGLSLTAIKTRAPQLGGSFAVWG
 GLFSMIDCSMVQVRKEDPWSITSGALTGAILAARNGPVAMVGSAAAMGGILLALIEGAGILLTRFASAQ
 FPNGPQFAEDPSQLPSTQLPSSPFGDYRQYQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_006335

ORF Size: 513 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_006335.3](#)

RefSeq Size: 1645 bp

RefSeq ORF: 516 bp

Locus ID: 10440

UniProt ID: [Q99595](#)

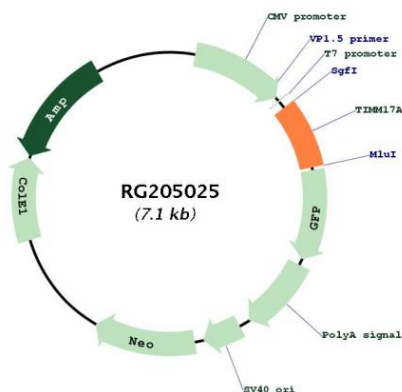
Cytogenetics: 1q32.1

Domains: Tim17

Protein Families: Transmembrane

Gene Summary: Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205025