

Product datasheet for **RG209369**

TIMM23 (NM_006327) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TIMM23 (NM_006327) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TIMM23
Synonyms: TIM23
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209369 representing NM_006327
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGAGGCGGGGAAGCGGCAACAAAACACAGGGGGATTGGCCGGCTTTTTCGGAGCCGGCGGAG
CAGGTTACTCGCACGCGGATTTGGCTGGCGTCCCCTAACTGGTATGAACCCTCTGTCTCCTATTTAAA
TGTGGATCCACGATACCTCGTGCAGGATACAGATGAGTTTATACCTACCGAGCTAATAAAACCGGGGC
AGATTTGAGCTGGCCTTCTTTACGATTGGAGGATGTTGCATGACAGGGGCTGCGTTTGGTCAATGAATG
GTCTTCGGCTAGGATTGAAGGAAACCCAGAACATGGCCTGGTCCAAACCAAGAAATGTACAGATTTGAA
TATGGTACTAGGCAAGGGGCACTTTGGGCTAATACTCTAGGTTCTCTGGCTTTGCTCTATAGTGCAAT
GGTGTCACTATTGAGAAAACACGAGGTGCAGAAGTACCTTAACACAGTAGCAGCTGGAACCATGACAG
GCATGTTGTATAAATGTACAGGTGGTCTTCGAGGGATAGCACGAGGTGGTCTGACAGGACTAACACTTAC
CAGCCTCTATGCACTATAATAACTGGGAGCACATGAAAGGCTCCTTGCTCCAACAGTCACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209369 representing NM_006327
Red=Cloning site Green=Tags(s)

MEGGGSGNKTTGGLAGFFGAGGAGYSHADLAGVPLTGMNPLSPYLNVDPRYLVDQDDEFIPTGANKTRG
RFELAFFITGGCCMTGAAFAMNGLRLGLKETQNAWSKPRNVQILNMVTRQALWANTLGSLLYSAF
GVIEKTRGAEDDLNTVAAGTMTGMLYKCTGGLRGIARGGLTGLTLTSLYALYNNWEHMKGSLQQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_006327

ORF Size: 624 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_006327.2](#), [NP_006318.1](#)

RefSeq Size: 1182 bp

RefSeq ORF: 630 bp

Locus ID: 100287932

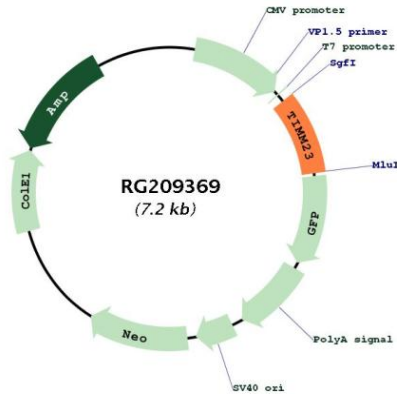
UniProt ID: [O14925](#)

Cytogenetics: 10q11.22

Gene Summary:

The protein encoded by this gene is part of a complex located in the inner mitochondrial membrane that mediates the transport of transit peptide-containing proteins across the membrane. Multiple transcript variants, one protein-coding and others not protein-coding, have been found for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG209369