

Product datasheet for **RG203083**

FXC1 (TIMM10B) (NM_012192) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FXC1 (TIMM10B) (NM_012192) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FXC1
Synonyms: FXC1; Tim9b; TIM10B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203083 representing NM_012192
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGGCAGCAGCAGCAGCAACAGCAACTGCGAAACCTGCGTGACTTCCTGTTGGTCTACAATCGGA
 TGACAGAACTCTGCTTCAGCGCTGTGTGCCAGCTTGCAACCCGAGCTCTGGACGCTGAGGAGGAGGC
 CTGTCTGCACAGCTGTGCTGGGAAGCTGATCCATTCCAACCCGCCCTCATGGCCGCTTACGTGCAGCTC
 ATGCCTGCCCTGGTACAGCGCCGCATCGCAGACTACGAGGCTGCCTCGGCTGTGCCAAGCGTTGCTGCTG
 AACAGCCTGGGGTCTCTCCATCAGGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203083 representing NM_012192
 Red=Cloning site Green=Tags(s)
 MERQQQQQQQLRNLRFLLVYNRMTELCFQRCVPSLHHRALDAEEEEACLHSCAGKLIHSNHRMLMAAYVQL
 MPALVQRRRIADYEASAVPSVAEEQPGVSPSGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_012192

ORF Size: 309 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:

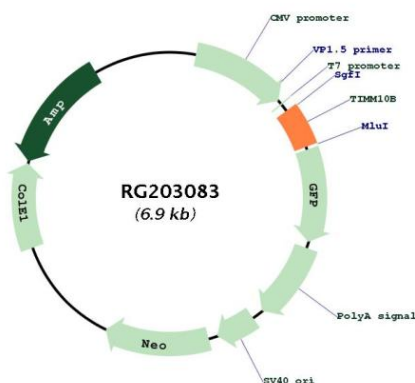
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_012192.2](#), [NP_036324.1](#)

RefSeq Size:	1470 bp
RefSeq ORF:	312 bp
Locus ID:	26515
UniProt ID:	Q9Y5J6
Cytogenetics:	11p15.4
Domains:	zf-Tim10_DDP
Gene Summary:	FXC1, or TIMM10B, belongs to a family of evolutionarily conserved proteins that are organized in heterooligomeric complexes in the mitochondrial intermembrane space. These proteins mediate the import and insertion of hydrophobic membrane proteins into the mitochondrial inner membrane.[supplied by OMIM, Apr 2004]

Product images:



Circular map for RG203083