

Product datasheet for **MG203517**

Tmem70 (NM_027415) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem70 (NM_027415) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem70
Synonyms:	1110020A09Rik; 2210416J16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203517 representing NM_027415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTTGGGGTTGGGCGGCCGGTGGGCAGCGGGCCTATGGCCGGGCCGGACGAGGACGACGTGGTGTG
TGGCCGCCGCGCTCCGAGGTTCCGGGATCGTTTCTGGCGTGCCGCCCTCGCTAGCCGAGCCAGAGCGGCT
GCGGAGCGCGGGCATCTAGCGCTAGCCGAGTCTTGGCGGCCACCCGGGCGAGCGCAGATACCTGTTTGT
TGGGAACGATGTGTCGCTGCTCCATACACAAGTTGATAAGCCAGAAAATGGCAGGCTGATTTACTG
GAAACCTGGCCCGAACGATATTTGGTGTGAAATGTTTCTTATTCTACAAGTGTGTCAGCCTTGCAAT
CTTGCCGTACCTTCTCTACAAAATAACATGATGTTTGAAGTCTGCCTTTGCAAGTCTTATTTTACGGA
GTCATGGGAAGCTTCACAGTGATCACTCCACGCTGCTTACCTTCTTACAAAAGGCTATGTCATTCCGGT
TGTATCATGAAGCCACAAGTGACACTTACAGAGCTGCACTTACAATGTTATGCTTTGGAACCAGCAC
AGTGTTCACCAAGACGACGTGACAATCCAGAGAGCGCACATATATCCACGCTTTTATGCTAAAAACA
AAATCGTATTAGTTAATCCAGCACTTTTTAAACCCTGAAGACTATAACCATCTAATGGGTTATGACA
AACCGTTCACCTTTGATATGGAAGAAGTCGCTGAAAAGAACTGCATGAGGGTAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203517 representing NM_027415
 Red=Cloning site Green=Tags(s)

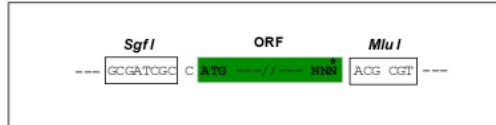
MLLGLGGRWAAGLWPGRTRTTWCVAAALRGSGIAFWRAASLAEPERLRSGGHLALAESCAPPRAQIPVC
 WERCVRFCFHTQVDKPEGRLIYTGNLARTIFGVKCFSYSTSVVSLAFLPYLLSQNNMMFGSLPLQVLFYG
 VMGSFTVITPTLLHLLTKGYVIRLYHEATSDTYRAVTYNVMLSETSTVFHQDDVTIPESAHIFTSFYAKT
 KSLLVNPAFLNPEDYNHLMGYDKPFTFDMEEVAEKKLHEGEK

TRTRPLE - GFP Tag - V

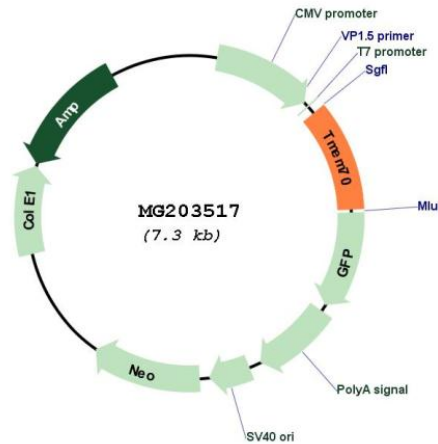
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_027415

ORF Size: 759 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:	<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_027415.2 , NP_081691.2
RefSeq Size:	1729 bp
RefSeq ORF:	762 bp
Locus ID:	70397
UniProt ID:	Q921N7
Cytogenetics:	1 A3
Gene Summary:	Involved in biogenesis of mitochondrial ATP synthase.[UniProtKB/Swiss-Prot Function]