

Product datasheet for **MG206271**

Tm7sf2 (BC014769) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm7sf2 (BC014769) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tm7sf2
Synonyms:	3110041O18Rik; ANG1; C14SR; Dhcr14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206271 representing BC014769 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCTCGTGAGGCCTCCCAGGCCCACTGGAATTCGGGGGGCCGTTGGGCGTCGGGCTTTACTGA
TCCTGCTGCCTGCCACCATGTTCCACCTGCTCCTGGCGGCTCGCTCGGGCCCGCGCGCCTCTGGCCCT
ACCGGCCATCTGCCTGGGCTGGAGGAGCTGTGGAGCCATGGGCTCTGCTGCTATTGTTTCATCTGGCTC
GGCCTGCAGGTGGCGCTCTATTTGCTGCCTGCACGAAGGTGGCCGAAGGCTGGAAGTGAAGGACAAGA
GTCGCCTGCGCTACCCTATTAATGGCTTCCAGGCTCTGGTGCTAACAGCCCTGTTGATGGGCTGGGGT
GTCAGTGGGCTGCCCTGGGGCACTCCCTGGAATGCTCCTGCCCTTGGCCTTTCGACCACTCTCACC
AGCTTTATCTTACGCCTCCTCCTATGCGAAGGCTTTGGTAGCTCCTGCCTCAGCCCTGGCTCCTGGGG
GAAACTCAGGAAATTCATGTATGACTTCTTCTTGGACGGGAGCTGAACCTCGCCTCGGTTCTTTGA
CTTCAAAATTTCTGTGAGCTGAGACCTGGCCTCATTGGCTGGGTTTTTCATTAACCTGGCCCTGCTGATG
CAGGAGGCAGAGCTTCGGGGAGTGATCCCTGGCTAACCATCTGATTAATGGCTTCCAGTTGCTGTATG
TGGGTGATGCCCTCTGGTATGAGGAGTCTGTCCCTACCACCATGGACATAATACATGATGGTTTTGGCT
CATGCTGGTCTTCGGAGATCTAGCTTGGTACCATTACCTACAGCCTGCAGGCCAGTTCTCTGTGTAC
CATCCACAGCCTCTGGGTTGCCATGGCCTTGTCTCATCTGCCTCCTTAAGGCTATTGGTTACTACATGT
TCCGAGGGGCAACTCCCAGAAAAACACATTAGGAAGAATCCTTCTGACCCAGCGTGGCTGGTCTTGA
GACCATCCCGACTGCCACGGGGAGGAGCTGCTGGTGTCTGGGTGGTGGGTATGGTTCGACACCCCAAC
TACCTGGGAGATCTCATCATGGCTCTGGCATGGTCTTTGCCCTGTGGGCTATCCCATGGTCCCTCCCT
CCAGGGCTATCCCATCTGCTGCCCTACTTCTACGTCTCTACTTCACTGCATTGCTGGCGCACCGCGAGG
CCAGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206271 representing BC014769
 Red=Cloning site Green=Tags(s)

MTSREASQAPLEFGGPLGVAALLILLPATMFHLLLAARSGPARLLALPAYLPGLEELWSPWALLLLFIWL
 GLQVALYLLPARKVAEGLELKDKSRLRYPINGFQALVLTALLMGLGVSGLPLGALPGMLLPLAFATLTLT
 SFIFSLLLYAKALVAPASALAPGGNSGNSMYDFFLGRELNPRLGSDFKYFCELRPLIGWVFINLALLM
 QEAELRGSDSLANHLINGFQLLYVGDALWYEEVLTMTDIIHDGFGFMLVFGDLAWVPFTYSLQAQFLLY
 HPQPLGLPMALLICLLKAIGYYMFRGANSQKNTFRKNPSPDPSVAGLETIPTATGRQLLVSGWWMVRHPN
 YLGDILIMALAWSLPCGLSHGSLPSRAIPSAALLLRPLLHCIAGAPRGQR

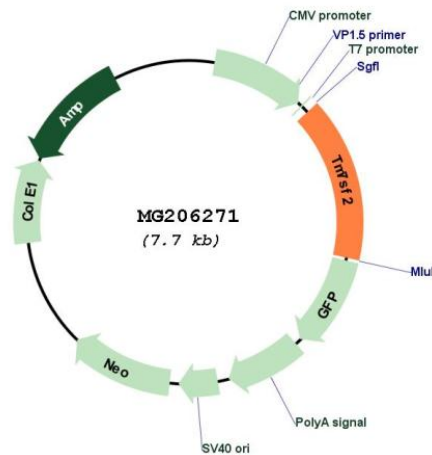
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC014769

ORF Size:	1199 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:	BC014769 , AAH14769
RefSeq Size:	1523 bp
RefSeq ORF:	1199 bp
Locus ID:	73166
Cytogenetics:	19 A
Gene Summary:	Catalyzes the reduction of the C14-unsaturated bond of lanosterol, as part of the metabolic pathway leading to cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]