

## Product datasheet for **RG224527**

### TM6SF1 (NM\_023003) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: TM6SF1 (NM\_023003) Human Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: TM6SF1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >RG224527 representing NM\_023003  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTGCCTCTGCGGCCACCGGGTCTTCGTGCTGTCCCTCTCGGCCATCCCGGTCACCTATGTCTTCA  
 ACCACCTGGCGGCCCAGCATGATTCCTGGACTATTGTAGGGTTGCTGCCCTCATCTGTTCTGGTAGC  
 ACTGCTGGCTCGTGTCTCGTCAAAGAAAACACCCCGGACCCACTGTTCTATGTGTATGCAGTTTTT  
 GGATTTACCAGCGTGGTGAACCTCATCATAGGACTGGAGCAAGATGGAATCATTGACGGTTCATGACAC  
 ACTACTTGAGAGAGGGTGAACCGTATCTGAACACCGCATATGGGCACATGATCTGCTACTGGGATGGCTC  
 TGCTCATTATCTGATGTACCTGGTGTGGTGGCAGCCATAGCATGGGAGGAACTTATAGAACCATTGGC  
 CTATATTGGGTTGGATCTATTATTATGAGTGTTGTTGTTTTGTGCCAGGAAACATTGTAGGAAGTATG  
 GAACACGAATTTGCCCTGCTTTTTCTTAAGCATAACCATATACTGTCTTCTGTCTGGGCTGGTTTCAG  
 AATCTATAATCAGCCATCAGAAAATTATAATTACCCCTCAAAGGTTATTCAAGAAGCCAAAGCGAAAGAC  
 CTGCTGAGAAGACCATTGATTTAATGTTGGTTGTGTCTCCTCCTGGCAACTGGATTTGCTGTTCA  
 GAGGTTTGATTGCTTTGGATTGCCCATCTGAGCTCTGCCGATTATACGCAATTTCAAGAGCCCTATCT  
 AAAGGATCCTGCTGCTTATCCTAAAATTCAGATGCTGGCATATATGTTCTATTCTGTTCTTACTTTGTG  
 ACTGCACTGTATGGCTTAGTGGTTCCTGGATGTTCTGGATGCCTGACATCACATTGATACATGCTGGAG  
 GTCTGGCTCAGGCTCAGTTTTCTCACATTGGTGCATCTTTCATGCTAGAACTGCTTATGTCTACAGAGT  
 CCCTGAAGAAGCAAAAATCCTTTTTTTAGCATTAAACATAGTATATGGAGTTCTTCTCAGCTCTTGCC  
 TATCGTTGTATCTACAAACCAGAGTTCTTCATAAAAACAAAGGCAGAAGAAAAGTGGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224527 representing NM\_023003  
Red=Cloning site Green=Tags(s)

MSASAATGVFVLSLSAIPVTVFNHLLAAQHDSWTIVGVAALILFLVALLARVLVVKRPPRDPLFVYVAVF  
 GFTSVVNLIIIGLEQDGIIDGFMTHYLREGEPYLNATAYGHMICYWDGSAHYLMYLMVMAAIAWEETYRTIG  
 LYWVGSIIIMSVVVFVPGNIVGKYGTRICPAFFLSIPYTCLPVWAGFRIYNQPSSENYNYPKVIQEAQAKD  
 LLRRPFDLMLVCLLLATGFCLFRGLIALDCPSELCLRYTQFQEPYLDKPAAYPKIQMLAYMFYSVPYFV  
 TALYGLVVPGCSWMPDITLIHAGGLAQAQF SHIGASLHARTAYVYRVPEEAKILFLALNIYVGVLPQLLA  
 YRCIYKPEFFIKTKAEEKVE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_023003

**ORF Size:** 1110 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\\_023003.2](#)

**RefSeq Size:** 1444 bp

**RefSeq ORF:** 1113 bp

**Locus ID:** 53346

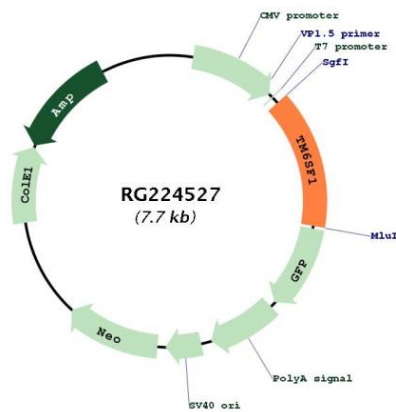
**UniProt ID:** [Q9BZW5](#)

**Cytogenetics:** 15q25.2

**Protein Families:** Transmembrane

**Gene Summary:** May function as sterol isomerase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG224527