

## Product datasheet for **MC211388**

### Tm7sf2 (NM\_028454) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tm7sf2 (NM\_028454) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tm7sf2  
**Synonyms:** 3110041O18Rik; ANG1; C14SR; Dhcr14  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211388 representing NM\_028454  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACTTCTCGTGAGGCCTCCAGGCCCACTGGAATTCGGGGGGCCGTTGGGCGTCGGCGCTTTACTGA  
TCCTGCTGCCTGCCACCATGTTCCACCTGCTCCTGGCGGCTCGCTCGGGCCGGCGCCCTCTGGCCCT  
ACCGGCCTATCTGCCTGGGCTGGAGGAGCTGTGGAGCCATGGGCTCTGCTGCTATTGTTTCATCTGGCTC  
GGCCTGCAGGTGGCGCTCTATTTGCTGCCTGCACGCAAGGTGGCCGAAGGCCTGGAAGTGAAGGACAAGA  
GTCGCCTGCGCTACCCTATTAATGGCTTCCAGGCTCTGGTGTAAACAGCCCTGTTGATGGGGCTGGGGT  
GTCAGTGGGGCTGCCCTGGGGCACTCCCTGGAATGCTCCTGCCCTTGGCCTTGGCACCCTCTCACC  
AGCTTTATCTTCAGCCTCCTCCTATGCGAAGGCTTTGGTAGCTCCTGCCTCAGCCCTGGCTCCTGGG  
GAAACTCAGGAAATCCATGTATGACTTCTTCTTGGACGGGAGCTGAACCCTCGCTCGGTTCTTTGA  
CTTCAAATATTTCTGTGAGCTGAGACCTGGCCTCATTGGCTGGGTTTTTCATTAACCTGGCCCTGTGATG  
CAGGAGGCAGAGCTTCGGGGAGTCTTCCCTGGCTATGTGGCTGGTCAATGGCTCCAGTTCAGTGTATG  
TGGGTGATGCCCTCTGGTATGAGGAGTCTGCTCACCACCATGGACATAATACATGATGGTTTTGGCTT  
CATGCTGGTCTTTGGAGATCTAGCTTGGTACCATTACCTACAGCCTGCAGGCCAGTTCTCTGTTGTAC  
CATCCACAGCCTCTGGGTTGCCATGGCCTTGTCTCATCTGCCTCCTAAGGTTATTGGTACTACATCT  
TCCGAGGGCCAACTCCCAGAAAAACATTAGGAAGAATCCTTCTGACCCAGCGTGGCTGGTCTTGA  
GACCATCCCGACTGCCACGGGGAGGAGCTGCTGGTGTCTGGTGGTGGGATGGTTCGACACCCCAAC  
TACCTGGGAGATCTCATCATGGCTCTGGCATGGTCTTTGCCCTGTGGCTATCCCATCTGCTGCCCTACT  
TCTACGCTCTACTTCACTGCACTGCTGGTGCACCGGAGGCCAGAGATGAGCAGCAGTGCCTCCAAAA  
GTATGGCCGTGCCTGGCAGGAGTACTGCAAGCGTGTGCCTTACCGAATCATACCTATGTCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_028454
<b>Insert Size:</b>	1257 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028454.2</a> , <a href="#">NP_082730.2</a>
<b>RefSeq Size:</b>	1496 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	73166
<b>UniProt ID:</b>	<a href="#">Q71KT5</a>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Catalyzes the reduction of the C14-unsaturated bond of lanosterol, as part of the metabolic pathway leading to cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]