

## Product datasheet for **RR213972**

### Tm7sf2 (NM\_001013071) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tm7sf2 (NM\_001013071) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tm7sf2  
**Synonyms:** MGC108990  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213972 representing NM\_001013071  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCTCGTGAGGCCTCCAGGCCCACTGGAATTCGGGGGGCCGTTGGGCGTCACGGCGATGCTGA  
 TCCTGCTGCCTGCCACCATGTTCCACCTGCTTCTGGCGGCCCGCTCGGGTCCGGCGCCCTCTGGCCCT  
 ACCAGCCTATCTGCCTGGGCTGGAGGAGCTGTGGAGCCACGGGCTCTGCTGCTGTTGTTTCATCTGGCTC  
 GGCTGCAGGTGGCGCTCTATTTGCTGCCTGCACGCAAGGTGGCCGAGGGGCTGGAAGTGAAGGACAAGA  
 GTCGCCTGCGCTACCCTATTAATGGTTTCCAGGCTCTGGTGTAAACAGCCCTGTTGGTGGGGCTAGGGGT  
 GTCAGTTGGGCTGCCCTGGGGCACTCCCTGGAATGCTCCTGCCCTGGCCTTTCGACCACTCTCACC  
 AGCTTTATCTTCAGCCTCCTTCTCTATGCAAAGGCTTTGGTAGCTCCTGCCTCAGCCCTGGCTCCTGGG  
 GAAACTCAGGAAATCTGTGTATGACTTCTTCTCGGACGGGAGCTGAACCCTCGCTCGGTTCTTTTGA  
 CTTCAAATATTTCTGTGAGCTGCGACCTGGCCTCATCGGCTGGTCTTCATTAACCTGGCCCTGCTGATG  
 CAGGAGGCGGAGCTTCGGGGAGTCTTCACTGGCTATGTGGCTGGTCAATGGCTCCAGTTGCTGTATG  
 TGGGTGATGCCCTCTGGTATGAGGAGTCTGTTCTCACCACCATGGACATAATACATGATGGTTTTGGCTT  
 CATGCTGGTCTTTGGAGACCTGGCTGGGTACCATTACCTACAGCCTGCAGGCCAGTTCTCTGTTGTAC  
 CATCCACAGCCTCTGGGATTGCCATGGCCTTGCTCATCTGCCTCATAAGGCTGTTGGTACTACATCT  
 TCCGAGGGGCAAATCCAGAAAATACATTAGAAAAGAACTCTGACCCAGTGTGGCTGGTCTTGA  
 GACCATCCCTACTGCCACGGGGAGGAGCTGTTGGTGTCTGGTGGTGGGATGGTTTCGACACCCCAAC  
 TACCTGGGAGACCTCATCATGGCTCTGGCTTGGTCTTGCCTGTGGGCTGTCCACCTGCTGCCCTACT  
 TCTACCTGCTCTACTTCACTGCACTGCTGGTGCACCGGAGGCCCGAGATGAGCAGCAGTGCCTGCGAAA  
 GTATGGCCGTGCCTGGCAGGAATACTGCAAGCGCTGCCTACCGAATCATACCGTATGTCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213972 representing NM\_001013071  
Red=Cloning site Green=Tags(s)

MASREASQAPLEFGGPLGVTAMLILLPATMFHLLLAARSGPARLLALPAYLPGLEELWSPRALLLFIWL  
 GLQVALYLLPARKVAEGLELKDKSRLRYPINGFQALVLTALLVGLGVSGLPLGALPGMLLPLAFATTLT  
 SFIFSLLLYAKALVAPASALAPGGNSGNSVYDFFLGRELNPRLGSFDFKYFCELRPLIGWVFINLALLM  
 QEAELRGSPSLAMWLVNGFQLLYVGDALWYEEVLT TMDI IHDGFGFMLVFGDLAWVPFTYSLQAQFLLY  
 HPQPLGLPMALLI CLIKAVGYIIFRGANSQKNTFRKNPSPDPSVAGLETIPTATGRQLLVSGWGMVRHPN  
 YLGD LIMALAWSLPCGLSHLLPYFYLLYFTALLVHREARDEQQCLRKYGRAWQEYCKRVYPRIIPVYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

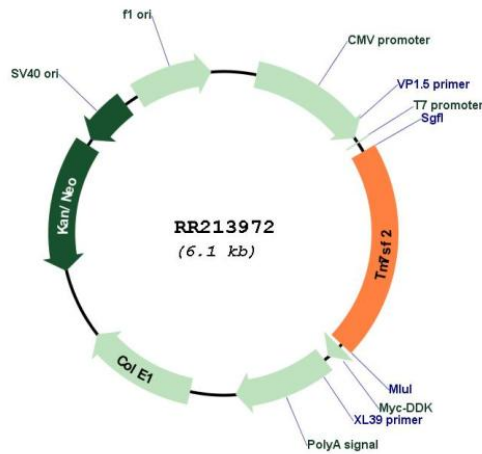
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001013071

<b>ORF Size:</b>	1254 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001013071.1</a> , <a href="#">NP_001013089.1</a>
<b>RefSeq Size:</b>	1510 bp
<b>RefSeq ORF:</b>	1257 bp
<b>Locus ID:</b>	293688
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	46.4 kDa