

Product datasheet for **RR208839**

Tm6sf2 (NM_001127654) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tm6sf2 (NM_001127654) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tm6sf2
Synonyms: MGC188225
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208839 representing NM_001127654
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACATCCCGCCGCTAGCCGGCAGGACTGTGGCGATGTCACCTCGGTGCTCTGCCAGTGTCTACGTAC
TCAACCAAGTTTCGGCGTTCTCACAGCCCCTGTGTGGTGTGACGAGTGTCTGGTACTGGGTCTGCT
TTTCATGGCTGTCTACAGCCTATCTCATGGGAGATCACCTATGACCCTCTCTATGCTGTCTTTGTGGTC
TTCTCCTTACCTCGGTGGTGGACCTGGTCATTGCACTCCAAGAAGATGGCTACTTGATGGCCCTTATGG
ATTTCTACGCCAAGGAGGGCGAGCCCTACCTACGCACAGCGCACGGCATCTTCATCTGCTACTGGGATGG
TACTGTGCACTACCTGCTCTATCTAACAATGGCTGGTGCATCCGCAAAAGGAAAAGGTACCGGAACCTT
GGGCTCTACTGGCTGGGGTCCTTCGCTATGAGCCTCCTGGTGTTCCTCCAGGAAACATCCTTGGTAAAT
ACAGTTCAGAGATCAGACCTACCTTCTCCTTGCCATCCTGTACATGCTGGTCCATGCTGGGCCGGTAT
GAGGATCTTCAACCAGTCGCCTGCACCAAGCTCCTGCACCTGTGATGTGGTACAGGAAGAACAAGAAA
AGCCTCTACAGCGCCCGGCTGACCTGACACTCATAGTTACCTCATCCTTGTGCATTTTTCACTGTCT
TCCGGGGCTGGTAGTACTTGACTGCCCGCAGATGCCTGCTTCATCTATATTTACCAATATGAACCATA
CCTTCGGGACCCTGTGGCTACCCAAAGTTCAGATGCTGATGATTTGTTCTATGCTCTACCAATCTAC
TGCTGGCTGCCTATGCTCTCACCTCCCTGGCTGCTCCTGGCTGCCGGATTGGGCCCTGGTATTTGCTG
GAGCCATTGGCCAGGCGCAGTTCTCACACATGGGTGCCTCCATGCACCTACGCACACCCTTACCTACCG
CGTGCCAGAGGACACCTGGGCCACCTTTCTTCTGAGCAACCTGCTGTTTGCAGTGGGTCCCCACCTGCTG
GCTCTCCGCTGCCTGTGGCGCCGGCCTTCTTTTTGCGTGCAGCACCGCCATCTTCGCCCCAGGACCAAG
GCAAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208839 representing NM_001127654
Red=Cloning site Green=Tags(s)

MDIPPLAGRTVAMSLGALPVSYVLNQVSAFSQPLCVVLTSAVLGLLFMAVYSLSHGEITYDPLYAVFVV
 FSFTSVVDLVIALQEDGYLMGLMDFYAKEGEPYLRTAHGIFICYWDGTVHYLLYLTMAGAIRKRRYRNL
 GLYWLGSFAMSLLVFLPGNILGKYSSEIRPTFFLAILYMLVPCWAGMIRIFNQSPAPSSCTCDVVQEEQKK
 SLLQRPADLTLIVYLILAAFFTFRGLVLDPCADACFIYIYQYEPYLRDPVAYPKLQMLMYLFYALPFY
 CLAAAYALTFPGCSWLPDWALVFAAIGQAQF SHMGASMLRTPFTYRVPEDTWATFLLSNLLFALGPHELL
 ALRCLWRPAFFLRAAPPSSPDQGKQKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

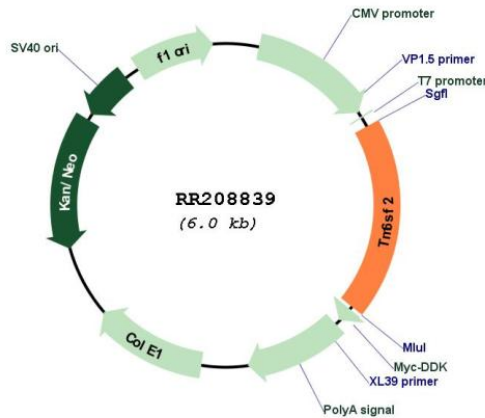
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127654

ORF Size:	1134 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_001127654.1 , NP_001121126.1
RefSeq Size:	1412 bp
RefSeq ORF:	1137 bp
Locus ID:	689029
UniProt ID:	B0BNG2
Cytogenetics:	16p14
MW:	42.6 kDa
Gene Summary:	Regulator of liver fat metabolism influencing triglyceride secretion and hepatic lipid droplet content. May function as sterol isomerase.[UniProtKB/Swiss-Prot Function]