

Product datasheet for **MR205843**

Tm6sf2 (NM_181540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm6sf2 (NM_181540) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tm6sf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205843 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATCCCGCCCTAGCCGGCAGGACTGTGGCGATGTCATTCTGCGCCCTGCCAGTGTCTACCTAC
TCAATCAAGTTTCGGCGTTCTCACAGCCCTGTTTGTGGTGCTGACGAGTGTCTGATACTGGGTCTGCT
CTTCTGGCAGTCTATAGCCTATCTCATGGGGAGATCACCTACGACCCTCTATGTCTTTGTGATC
TTCTCCTCACCTCGGTGGTGGACCTTGTCAATGCACTCCAAGAAGATGGCTACATGATGGGCTTCATGG
ATTTCTACACCAAGGAGGTGAGCCCTACCTACGCACAGCATGGCATCTTCATCTGCTACTGGGATGG
TACTGTGCACTACCTGCTCTATCTGACAATGGCTGGTGCCATCCGCAAAAGGAAAAGGTACCGGAACTT
GGGCTCTACTGGCTGGGATCCTTCGCCATGAGCATCCTGGTGTCTCCCGGAAACATCCTTGGTAAAT
ACAGTTCAGAGATGAGACCTACCTTCTCCTCGCCATCCTGTACATGCTGGTCCCATGCTGGGCCGGTGT
GAGGATCTTCAACCAGTCCCAGGCACCAACCTCCTATACCCCTGACATGGTACAGGAAGAGCAGAAGAAA
AGTCTCCTCCAGCGTCCGGCTGACCTGGCACTCATAGTATACCTCATCTTGCAGCGCTCTTCACTGTCT
TCCGGGTCTGGTGTACTTGACTGCCACAGATGCCTGCTTCACTATATTTACCAATATGAGCCATA
CCTTCGGGACCCTGTGGCTACCCAAAGTTCAGATGCTGATGTATTTGTTCTATGCTCTACCATTCTAC
TGCTGGCTGCCTACGCCCTTGCTTCCCTGGCTGCTCCTGGCTGCCGACTGGGCTTGGTATTTGCTG
GAGCCATTGGCCAGGCGAGTTCTCACACATGGGTGCCTCCATGCACATGCGCACACCCCTCACCTACCG
CGTGCCAGAGGACACCTGGGCTACCTTCTTTCTGAGCAACCTGCTATTGGCACTGGTCCCCACCTGCTG
GCTTTCGCTGCCTGTGGCGGCCGCTTCTTCTTGCATGCAGCGCTGCCATCTTCGCCACAGGACCAAG
ACAAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205843 protein sequence
Red=Cloning site Green=Tags(s)

```
MDIPPLAGRTVAMSFICALPVSYLLNQVSAFSQPLFVVLTSAIILGLLFLAVYSLSHGEITYDPLYAVFVI
FSFTSVVDLVIALQEDGYMMGFMDFYTKEGEPLYLRTAHGIFICYWDGTVHYLLYLTMAGAIRKRRYRNL
GLYWLGSFAMSILVFLPGNILGKYSSEMRTFFLAILYMLVPCWAGVRIFNQSQAPTSYTPDMVQEEQKK
SLLQRPADLALIVYLIFAAFLTIVFRGLVVLDCPTDACFIYIYQYEPYLRDPVAYPKLQMLMYLFYALPFY
CLAAYALAFPGCSWLPDWALVFAGAIGQAQF SHMGASMHRTPFTYRVPEDTWATFFLSNLLLALGPHELL
AFRCLWRPAFFLHAALPSSPDQDKKQQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181540

ORF Size: 1137 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_181540.1](#), [NM_181540.2](#), [NM_181540.3](#), [NM_181540.4](#), [NP_853518.1](#)

RefSeq Size: 1440 bp

RefSeq ORF: 1131 bp

Locus ID: 107770

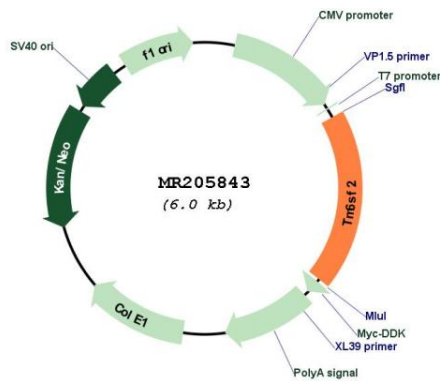
UniProt ID: [Q8R1J1](#)

Cytogenetics: 8 B3.3

MW: 43 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]

Product images:



Circular map for MR205843