

Product datasheet for **MR229584**

Tm6sf2 (NM_001293795) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm6sf2 (NM_001293795) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tm6sf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229584 representing NM_001293795 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATCCCGCCCTAGCCGGCAGGACTGTGGCAATGTCATTCTGCGCCCTGCCAGTGTCTACCTAC
TCAATCAAGTTTCGGCGTTCTCACAGCCCTGTTTGTGGTGTGACGAGTGTCTGATACTGGTCTGTCT
CTTCTGGCAGTCTATAGCCTATCTCATGGGAGATCACCTACGACCCTCTATGCTGTCTTTGTGATC
TTCTCCTTCACTCGGTGGTGGACCTTGTCACTGCACTCCAAGAAGATGGCTACATGATGGGCTTATGG
ATTTCTACACCAAGGAGGGTGGCCCTACCTACGCACAGCACATGGCATCTTCTGCTACTGGGATGG
TACTGTGCACTACCTGCTCTATCTGACAAATGGCTGGTCCATCCGAAAAGGAAAAGGTACCGAACCTT
GGGCTCTACTGGCTGGGATCCTTCGCCATGAGCATCCTGGTGTCTCCCGGAAACATCCTTGGTAAAT
ACAGTTCAGAGATGAGGCCTACCTTCTTCTCGCCATCCTGTACATGCTGGTCCCATGCTGGCCGGTGT
GAGGATCTTCAACAGTCCCGGGCACCAACCTCTATACCCCTGACATGGTACAGGAAGAACAAGAAA
AGTCTCTCCAGCGTCCGGCTGACCTGGCACTCATAGTATACCTCATCTTGCAGCGCTCTTCACTGTCT
TCCGGGTCTGGTGGTACTTGACTGCCACAGATGCCTGCTTCTATATTTACCAATATGAGCCATA
CCTTCGGGACCCTGTGGCTACCCAAAGTTGAGATGCTGATGATTTGTTCTATGCTCTACCATCTAC
TGCTGGCTGCCTACGCCCTTGCTTCCCTGGCTGCTCCTGGCTGCCGACTGGGCTTGGTATTTGCTG
GAGCCATTGGCCAGGCGCAGTTCTCACACATGGGTGCCTCCATGCACATGCGCACACCCTTACCTACCG
CGTGCCAGAGGACACCTGGGCTACCTTCTTTCTGAGCAACCTGCTATTGGCACTGGTCCCCACCTGCTG
GCTTCCGCTGCCTGTGGCGGCCCTTCTTCTTGCATGCAGCGCTGCCATCTTCGCCACAGGACCAAG
ACAAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229584 representing NM_001293795
 Red=Cloning site Green=Tags(s)

MDIPPLAGRTVAMSFALPVSYLLNQVSQPLFVVLTSALILGLLFLAVYSLSHGEITYDPLYAVFVI
 FSFTSVVDLVIALQEDGYMMGFMDFYTKEGEPYLRTAHGIFICYWDGTVHYLLYLTMAGAIRKRKYRNL
 GLYWLGSFAMSILVFLPGNILGKYSSEMRTFFLAILYMLVPCWAGVRIFNQSRAPTSYTPDMVQEEQKK
 SLFQRPADLALIVYLIFAAFLTFRGLVVLDCPTDACFIYIYQYEPYLRDPVAYPKLQMLMYLFYALPFY
 CLAAAYALAFPGCSWLPDWALVFAAGIQAQF SHMGASMHMRTPFYRVPEDTWATFFLSNLLLALGPHLL
 AFRCLWRPAFFLHAALPSSPDQDKKQQ

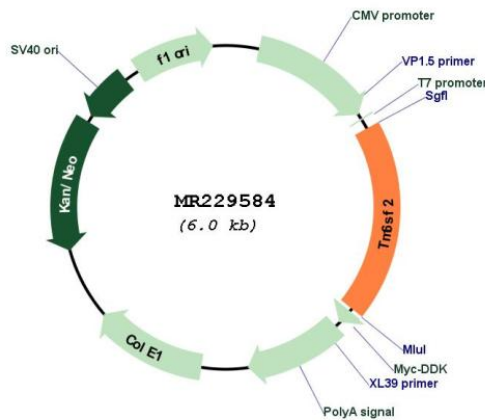
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001293795

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_001293795.1 , NP_001280724.1
RefSeq Size:	1446 bp
RefSeq ORF:	1137 bp
Locus ID:	107770
Cytogenetics:	8 B3.3
MW:	43.5 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]