

Product datasheet for MR206271

Tm7sf2 (BC014769) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm7sf2 (BC014769) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tm7sf2
Synonyms:	3110041O18Rik; ANG1; C14SR; Dhcr14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206271 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCTCGTGAGGCCTCCCAGGCCCACTGGAATTCGGGGGGCCGTTGGGCGTCGCGGCTTTACTGA
TCCTGCTGCCTGCCACCATGTTCCACCTGCTCCTGGCGGCTCGCTCGGGCCCGGCGCCCTCTGGCCCT
ACCGGCCATCTGCCTGGGCTGGAGGAGCTGTGGAGCCATGGGCTCTGCTGCTATTGTTACCTGGCTC
GGCCTGCAGGTGGCGCTCTATTTGCTGCCTGCACGAAGGTGGCCGAAGGCTGGAAGTGAAGACAAGA
GTCGCTGCGCTACCCTATTAATGGCTTCCAGGCTCTGGTGCTAACAGCCCTGTTGATGGGCTGGGGT
GTCAGTGGGCTGCCCTGGGGCACTCCCTGGAATGCTCCTGCCCTTGGCCTTTCGACCACTCTCACC
AGCTTTATCTTACGCTCCTCCTCTATGCGAAGGCTTTGGTAGCTCCTGCCTCAGCCCTGGCTCCTGGG
GAAACTCAGGAAATTCATGTATGACTTCTTCTTGGACGGGAGCTGAACCTCGCTCGGTTCTTTGA
CTTCAAATATTTCTGTGAGCTGAGACCTGGCCTCATTGGCTGGGTTTTTCATTAACCTGGCCCTGCTGATG
CAGGAGGCAGAGCTTCGGGGAGTGATCCCTGGCTAACCATCTGATTAATGGCTTCCAGTTGCTGTATG
TGGGTGATGCCCTCTGGTATGAGGAGTCTGTCCCTACCACCATGGACATAATACATGATGGTTTTGGCT
CATGCTGGTCTTCGGAGATCTAGCTTGGTACCATTACCTACAGCCTGCAGGCCAGTTCTCTGTTGTAC
CATCCACAGCCTCTGGGTTGCCATGGCCTTGTCTCATCTGCCTCCTTAAGGCTATTGGTACTACATGT
TCCGAGGGGCAACTCCCAGAAAAACACATTACAGGAAGAATCCTTCTGACCCAGCGTGGCTGGTCTTGA
GACCATCCCGACTGCCACGGGGAGGAGCTGCTGGTGTCTGGGTGGTGGGTATGGTTCGACACCCCAAC
TACCTGGGAGATCTCATCATGGCTCTGGCATGGTCTTTGCCCTGTGGGCTATCCCATGGTCCCTCCCT
CCAGGGCTATCCCATCTGCTGCCCTACTTCTACGTCTCTACTTCACTGCATTGCTGGCGCACCGGAGG
CCAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206271 protein sequence
Red=Cloning site Green=Tags(s)

MTSREASQAPLEFGGGLGVAALLILLPATMFHLLLAARSGPARLLALPAYLPGLEELWSPWALLLLFIWL
 GLQVALYLLPARKVAEGLELKDKSRLRYPINGFQALVLTALLMGLGVSVGLPLGALPGMLLPLAFATTLT
 SFIFSLLLYAKALVAPASALAPGGNSGNSMYDFFLGRELNPRLGSFDFKYFCELRPGLIGWVFINLALLM
 QEAELRGSDSLANHLINGFQLLYVGDALWYEEVLTMTDIIHDGFGFMLVFGDLAWVPFTYSLQAQFLLY
 HPQPLGLPMALLICLLKAIGYYMFRGANSQKNTFRKNPSPDPSVAGLETIPTATGRQLLVSGWGMVRHPN
 YLGDLMALAWSLPCGLSHGSLPSRAIPSAALLLRPLLHCIAGAPRGQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC014769

ORF Size: 1197 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: [BC014769](#), [AAH14769](#)

RefSeq Size: 1523 bp

RefSeq ORF: 1199 bp

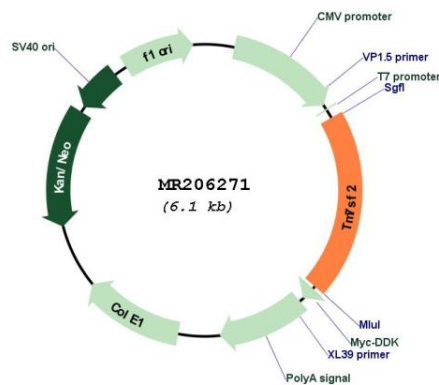
Locus ID: 73166

Cytogenetics: 19 A

MW: 43.4 kDa

Gene Summary: Catalyzes the reduction of the C14-unsaturated bond of lanosterol, as part of the metabolic pathway leading to cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206271