OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC226501

TM6SF1 (NM_001144903) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM6SF1 (NM_001144903) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TM6SF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC226501 representing NM_001144903
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGCCTCTGCGGCCACCGGGGTCTTCGTGCTGTCCCTCTCGGCCATCCCGGTCACCTATGTCTTCA
ACCACCTGGCGGCCCAGCATGATTCCTGGACTATTGTAGGGGTTGCTGCCCTCATCCTGTTCCTGGTAGC
ACTGCTGGCTCGTGTCCTCGTCAAAAGAAAACCACCCCGGGACCCACTGTTCTATGTGTATGCAGTTTTT
GGATTTACCAGCGTGGTGAACCTCATCATAGGACTGGAGCAAGATGGAATCATTGACGGGTTCATGACAC
ACTACTTGAGAGAGGGTGAACCGTATCTGAACACCGCATATGGGCACATGATCTGCTACTGGGATGGCTC
TGCTCATTATCTGATGTACCTGGTGATGGTGGCAGCCATAGCATGGGAGGAAACTTATAGAACCATTGGC
CTATATTGGGTTGGATCTATTATTATGAGTGTTGTTGTTTTTGTGCCAGGAAACATTGTAGGGAAGTATG
GAACACGAATTTGCCCTGCTTTTTTCTTAAGCATACCATATACTTGTCTTCCTGTCTGGGCTGGTTTCAG
AATCTATAATCAGCCATCAGAAAATTATAATTACCCCTCAAAGGTTATTCAAGAAGCCCAAGCGAAAGAC
CTGCTGAGAAGACCATTTGATTTAATGTTGGTTGTGTGTCTCCTCCTGGCAACTGGATTTTGCCTGTTCA
GAGGTTTGATGCTGGCATATATGTTCTATTCTGTTCCTTACTTTGTGACTGCACTGTATGGCTTAGTGGT
TCCTGGATGTTCCTGGATGCCTGACATCACATTGATACATGCTGGAGGTCTGGCTCAGGCTCAGTTTTCT
CACATTGGTGCATCTCTTCATGCTAGAACTGCTTATGTCTACAGAGTCCCTGAAGAAGCAAAAATCCTTT
TTTTAGCATTAAACATAGCATATGGAGTTCTTCCTCAGCTCTTGGCCTATCGTTGTATCTACAAACCAGA
GTTCTTCATAAAAACAAAGGCAGAAGAAAAAGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

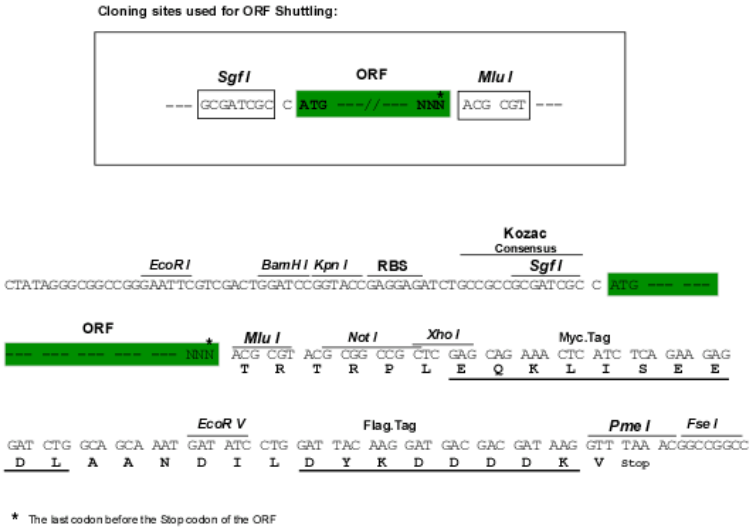
Protein Sequence:

```
>RC226501 representing NM_001144903
Red=Cloning site Green=Tags(s)

MSASAATGVFVLSLSAIPVTYVFNHLAAQHDSWTIVGVAALILFLVALLARVLVKRKPPRDPLFYVYAVF
GFTSVVNLIIGLEQDGIIDGFMTHYLREGEPYLNTAYGHMICYWDGSAHYLMYLVMVAAIAWEETYRTIG
LYWVGSIIMSVVVFVPGNIVGKYGTRICPAFFLSIPYTCLPVWAGFRIYNQPSENYNYPSKVIQEAQAKD
LLRRPFDLMLVVCLLLATGFCLFRGLMLAYMFYSVPYFVTALYGLVVPGCSWMPDITLIHAGGLAQAQFS
HIGASLHARTAYVYRVPEEAKILFLALNIAYGVLPQLLAYRCIYKPEFFIKTKAEEKVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/mk8053_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001144903

ORF Size: 1017 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

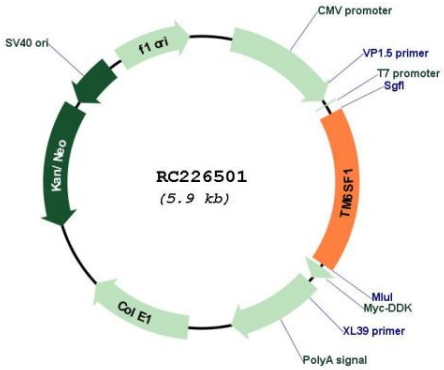
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

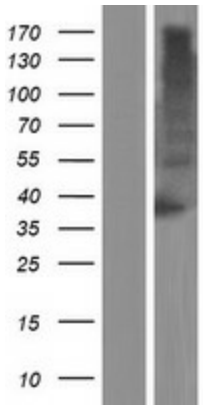
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001144903.3
RefSeq ORF:	1020 bp
Locus ID:	53346
UniProt ID:	Q9BZW5
Cytogenetics:	15q25.2
Protein Families:	Transmembrane
MW:	37.9 kDa
Gene Summary:	May function as sterol isomerase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226501

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Western blot validation of overexpression lysate (Cat# [LY428560]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226501 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US