

Product datasheet for **RC224527**

TM6SF1 (NM_023003) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM6SF1 (NM_023003) 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:	>RC224527 representing NM_023003 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGCCTCTGCGGCCACCGGGTCTTCGTGCTGTCCCTCTCGGCCATCCCGGTCACCTATGTCTTCA
ACCACCTGGCGGCCAGCATGATTCCTGGACTATTGTAGGGTTGCTGCCCTCATCTGTCTGGTAGC
ACTGCTGGCTCGTGTCTCGTCAAAGAAAACCACCCGGGACCCACTGTTCTATGTGTATGCAGTTTTT
GGATTTACCAGCGTGGTGAACCTCATCATAGGACTGGAGCAAGATGGAATCATTGACGGTTCATGACAC
ACTACTTGAGAGAGGGTGAACCGTATCTGAACACCGCATATGGGCACATGATCTGCTACTGGGATGGCTC
TGCTCATTATCTGATGTACCTGGTGTGGTGGCAGCCATAGCATGGGAGGAACTTATAGAACCATTGGC
CTATATTGGGTTGGATCTATTATTATGAGTGTTGTTGTTTTGTGCCAGGAAACATTGTAGGAAGTATG
GAACACGAATTTGCCCTGCTTTTTCTTAAGCATACCATATACTGTCTTCTGTCTGGGCTGGTTTCAG
AATCTATAATCAGCCATCAGAAAATTATAATTACCCTCAAAGGTTATTCAAGAAGCCAAAGCGAAAGAC
CTGCTGAGAAGACCATTGATTTAATGTTGGTTGTGTCTCCTCCTGGCAACTGGATTTGCTGTTCA
GAGGTTTGATTGCTTTGGATTGCCCATCTGAGCTCTGCCGATTATACGCAATTTCAAGAGCCCTATCT
AAAGGATCCTGTGCTTATCCTAAAATTCAGATGCTGGCATATATGTTCTATTCTGTTCTTACTTTGTG
ACTGCACTGTATGGCTTAGTGGTTCCTGGATGTTCTGGATGCCTGACATCACATTGATACATGCTGGAG
GTCTGGCTCAGGCTCAGTTTTCTCACATTGGTGCATCTTTCATGCTAGAACTGCTTATGTCTACAGAGT
CCCTGAAGAAGCAAAAATCCTTTTTTTAGCATTAAACATAGTATATGGAGTTCTTCTCAGCTCTTGCC
TATCGTTGTATCTACAAACCAGAGTTCTTCATAAAAACAAAGGCAGAAGAAAAGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC224527 representing NM_023003
Red=Cloning site Green=Tags(s)

MSASAATGVFVLSLSAIPVTVYVFNHLLAAQHDSWTIVGVAALILFLVALLARVLVCRKPPRDPLFYVYAVF
 GFTSVVNLIIIGLEQDGIIDGFMTHYLREGEPYLNATAYGHMICYWDGSAHYLMYLMVAAIAWEETYRTIG
 LYWVGSIIIMSVVVFVPGNIVGKYGTRICPAFFLSIPYTCLPVWAGFRIYNQPSSENYNPSKVIQEAQAKD
 LLRRPFDLMLVCLLLATGFCLFRGLIALDCPSEL CRL YTFQEPYLDKPAAYPKIQMLAYMFYSVPYFV
 TALYGLVVPGCSWMPDITLIHAGGLAQAQF SHIGASLHARTAYVYRVPEEAKILFLALNIYVGVLPQLLA
 YRCIYKPEFFIKTKAEEKVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3715_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_023003

ORF Size: 1110 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_023003.2](#)

RefSeq Size: 1909 bp

RefSeq ORF: 1113 bp

Locus ID: 53346

UniProt ID: [Q9BZW5](#)

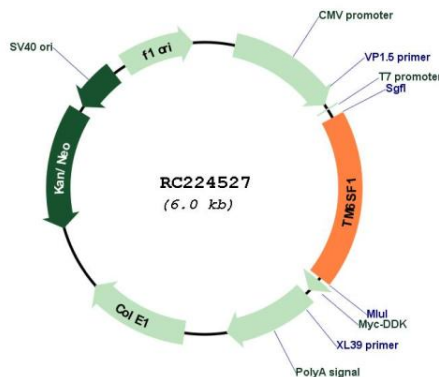
Cytogenetics: 15q25.2

Protein Families: Transmembrane

MW: 41.7 kDa

Gene Summary: May function as sterol isomerase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224527