

Product datasheet for **RC210140**

TM4SF5 (NM_003963) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TM4SF5 (NM_003963) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TM4SF5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210140 representing NM_003963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGTGTACGGGAAAAATGTGCCGCTGTGTGGGCTCTCCCTATTACCCTCTGCCTCGTCTGCATTGTGG
 CCAACGCCCTCTGCTGGTACCTAATGGGGAGACCTCTGGACCAACCAACCATCTCAGCTTGAAGT
 CTGGCTCATGGGCGGCTTCATTGGCGGGGGCCTAATGGTACTGTGTCCAGGGATTGCAGCCGTTCCGGCA
 GGGGGCAAGGGCTGCTGTGGTGTGGTGTGTGGAAACCGCTGCAGGATGCTGCGCTCGGTCTTCTCCT
 CGCGTTTCGGGGTCTTGGTGCCATCTACTGCCCTCTCGGTGTCTGGAGCTGGGCTCCGAAATGGACCCAG
 ATGCTTAATGAACGGCGAGTGGGGCTACCACTTCGAAGACACCGCGGGAGCTTACTTGCTCAACCGCACT
 CTATGGGATCGGTGCGAGGCGCCCCCTCGCGTGGTCCCCTGGAATGTGACGCTCTTCTCGCTGCTGGTGG
 CCGCCTCTGCCTGGAGATAGTACTGTGTGGGATCCAGCTGGTGAACGCGACCATTTGGTGTCTTCTGCGG
 CGATTGCAGGAAAAACAGGACACCCCTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210140 representing NM_003963
 Red=Cloning site Green=Tags(s)

MCTGKCARCVGLSLITLCLVCIVANALLLPNGETSWTNTNHLQLQVWLMGGFVIGGGLMVLCPGIAAVRA
 GGKGGCGAGCCGNRCMLRSVFSSAFVGLGAIYCLSVSGAGLRNGPRCLMNGEWGYHFEDTAGAYLLNRT
 LWDRCAPPRVVPWNVTLFSLVAASCLEIVLCGIQLVNATIGVFCDGCRKKQDTPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_003963

ORF Size: 591 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

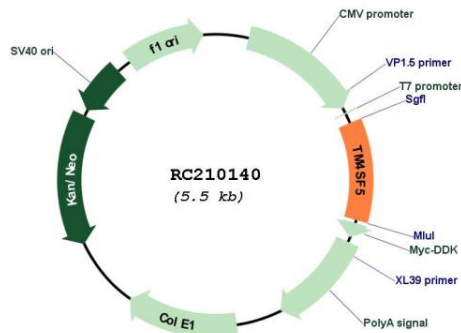
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_003963.3
RefSeq Size:	708 bp
RefSeq ORF:	594 bp
Locus ID:	9032
UniProt ID:	O14894
Cytogenetics:	17p13.2
Protein Families:	Transmembrane
MW:	20.6 kDa
Gene Summary:	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein and is highly similar in sequence and structure to transmembrane 4 superfamily member 1. It may play a role in cell proliferation, and overexpression of this protein may be associated with the uncontrolled growth of tumour cells. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC210140