

## Product datasheet for **RC200346**

### TM4SF4 (NM\_004617) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TM4SF4 (NM\_004617) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TM4SF4  
**Synonyms:** il-TMP; ILTMP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC200346 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCACTGGGGCTGTGCCAGATGCCTGGGGGGACCCTATTCCCCTTGCTTTTTTTGGCTTCCTGG  
 CTAACATCCTGTTATTTTTCTGGAGGAAAAGTGATAGATGACAACGACCACCTTTCCCAAGAGATCTG  
 GTTTTTCGGAGGAATATTAGGAAGCGGTGCTTGGATGATCTTCCCTGCGTGGTGTCTTGGCCTGAAG  
 AACATGACTGCTGTGGGTGCTCGGCAACGAGGGCTGTGGGAAGCGATTGCGATGTTCACTCCACGA  
 TATTTGCTGTGGTTGGATTCTTGGGAGCTGGATACTCGTTTATCATCTCAGCCATTTCAATCAACAAGG  
 TCCTAAATGCCTCATGGCCAATAGTACATGGGGCTACCCCTCCACGACGGGATTATCTCAATGATGAG  
 GCCTTATGGAACAAGTCCGAGAGCCTCTCAATGTGGTTCCCTGGAATCTGACCCCTTCTCCATCCTGC  
 TGGTCGTAGGAGGAATCCAGATGGTTCTCTGCGCCATCCAGTGGTCAATGGCCTCTGGGGACCCTCTG  
 TGGGGACTGCCAGTGTGTGGCTGTGTGGGGAGATGGACCCGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC200346 protein sequence  
 Red=Cloning site Green=Tags(s)

MCTGGCARCLGGTLIPLAFFGFLANILLFFPGGKVIDDNDHLSQEIWFFGGILGSGVLMIFPALVFLGLK  
 NNDCCGCCGNEGCGKRFAMFTSTIFAVVGFLGAGYSFIIAISINKGPKCLMANSTWGYPFHDGDLNDE  
 ALWNKCREPLNVVPWNLTLFSILLVVGIIQMVLCAIQVVGGLLGTLCGDCQCCGCCGGDGPV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

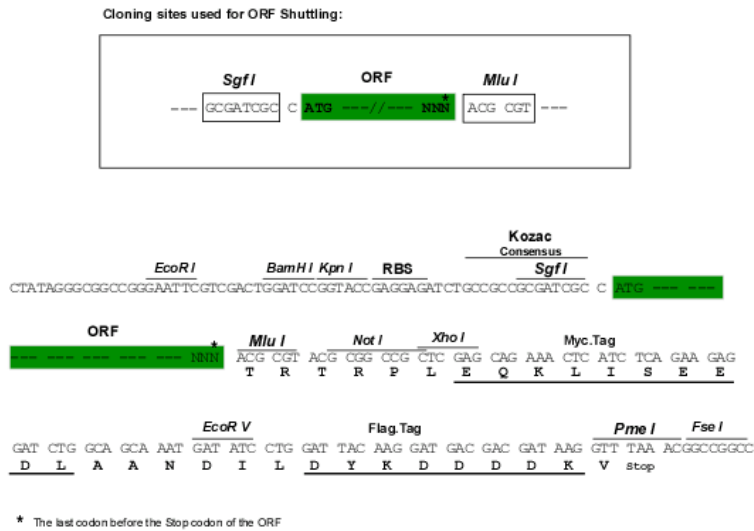


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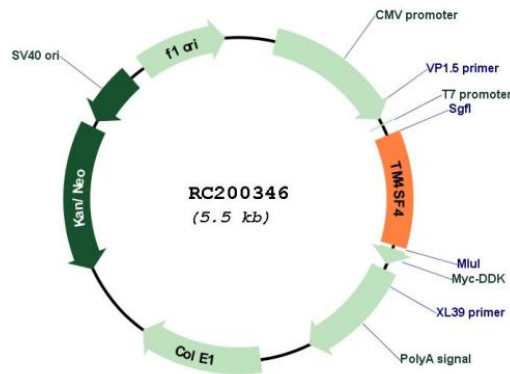
Chromatograms: [https://cdn.origene.com/chromatograms/mk6385\\_c09.zip](https://cdn.origene.com/chromatograms/mk6385_c09.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_004617

ORF Size: 606 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](mailto: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.

**RefSeq:** [NM\\_004617.4](#)

**RefSeq Size:** 1624 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 7104

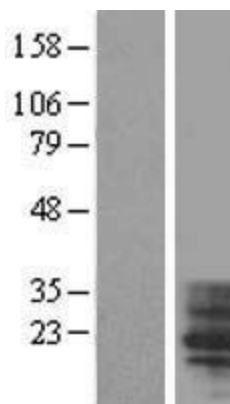
**UniProt ID:** [P48230](#)

**Cytogenetics:** 3q25.1

**Protein Families:** Transmembrane

**MW:** 21.4 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 that can regulate cell proliferation.[provided by RefSeq, Mar 2011]

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY417873]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200346 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).