

## Product datasheet for **RC202694**

### TM4SF3 (TSPAN8) (NM\_004616) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TM4SF3 (TSPAN8) (NM_004616) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TM4SF3
Synonyms:	CO-029; TM4SF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202694 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGGTGTGAGTGCCTGTATAAAATATTCTATGTTTACCTTCAACTTCTTGTCTGGCTATGTGGTA  
TCTTGATCCTAGCATTAGCAATATGGGTACGAATAAGCAATGACTCTCAAGCAATTTTGGTTCTGAAGA  
TGTAGGCTCTAGCTCCTACGTTGCTGTGGACATATTGATTGCTGTAGGTGCCATCATCATGATTCTGGGC  
TTCCTGGCATGCTGCGGTGCTATAAAAGAAAGTCGCTGCATGCTTCTGTTGTTTTTCATAGGCTTGCTTC  
TGATCCTGCTCCTGCAGGTGGCAGGATCCTAGGAGCTGTTTCAAATCTAAGTCTGATCGCATTGT  
GAATGAACTCTCTATGAAAACACAAAGCTTTTGAGCGCCACAGGGGAAAGTAAAAACAATCCAGGAA  
GCCATAATTGTGTTTCAAGAAGAGTTTAAATGCTGCGTTTGGTCAATGGAGCTGCTGATTGGGGAATA  
ATTTTCAACACTATCCTGAATTATGTGCCTGTCTAGATAAGCAGAGACCATGCCAAAGCTATAATGGAAA  
ACAAGTTTACAAAGAGACCTGTATTTCTTTATAAAAGACTTCTTGGCAAAAAATTTGATTATAGTTATT  
GGAATAGCATTGGACTGGCAGTTATTGAGATACTGGGTTTGGTGTTCATGGTCTGTATTGCCAGA  
TCGGGAACAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202694 protein sequence  
Red=Cloning site Green=Tags(s)

MAGVSACIKYSMFTFNFLFWLCGILILALAIWVRISNDSQAIFGSEDVGSSSYVAVDILIAVGAIIMILG  
 FLACCGAIKESRCMLLLFFIGLLLILLQVATGILGAVFKSKSDRIVNETLYENTKLLSATGESEKQFQE  
 AIIVFQEEFKCCGLVNGAADWGNFQHYPELCACLDKQRPCQSYNGKQVYKETCISFIKDFLAKNLIIVI  
 GIAFGLAVIEILGLVFSMVLVCQIGNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6145\\_c01.zip](https://cdn.origene.com/chromatograms/mk6145_c01.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\_004616

**ORF Size:** 711 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_004616.3](#)

**RefSeq Size:** 1159 bp

**RefSeq ORF:** 714 bp

**Locus ID:** 7103

**UniProt ID:** [P19075](#)

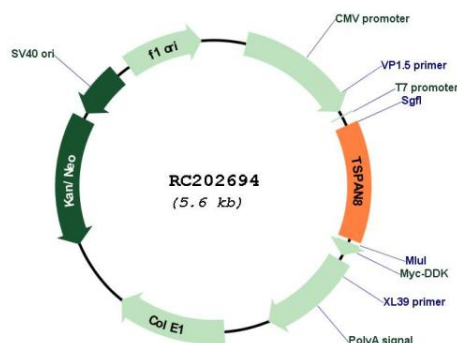
**Cytogenetics:** 12q21.1

**Protein Families:** Transmembrane

**MW:** 26.1 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 is known to complex with integrins. This gene is expressed in different carcinomas. The use of alternate polyadenylation sites has been found for this gene. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RC202694