

Product datasheet for **RG202694**

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:	TurboGFP
Symbol:	TM4SF3
Synonyms:	CO-029; TM4SF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202694 representing NM_004616 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGTGTGAGTGCCTGTATAAAATATTCTATGTTTACCTTCAACTTCTTGTCTGGCTATGTGGTA
TCTTGATCCTAGCATTAGCAATATGGGTACGAATAAGCAATGACTCTCAAGCAATTTTTGGTTCTGAAGA
TGTAGGCTCTAGCTCCTACGTTGCTGTGGACATATTGATTGCTGTAGGTGCCATCATCATGATTCTGGGC
TTCCTGGCATGCTGCGGTGCTATAAAAGAAAGTCGCTGCATGCTTCTGTTGTTTTTCATAGGCTTGCTTC
TGATCCTGCTCCTGCAGGTGGCGACAGGTATCCTAGGAGCTGTTTTCAAATCTAAGTCTGATCGCATTGT
GAATGAACTCTCTATGAAAACACAAAGCTTTTGAGCGCCACAGGGGAAAGTAAAAACAATCCAGGAA
GCCATAATTGTGTTTCAAGAAGAGTTTTAAATGCTGCGTTTTGGTCAATGGAGCTGCTGATTGGGGAATA
ATTTTCAACACTATCCTGAATTATGTGCCTGTCTAGATAAGCAGAGACCATGCCAAAGCTATAATGGAAA
ACAAGTTTACAAAGAGACCTGTATTTCTTTATAAAAGACTTCTTGGCAAAAAATTTGATTATAGTTATT
GGAATAGCATTGGACTGGCAGTTATTGAGATACTGGGTTTGGTGTTCATGGTCTGTATTGCCAGA
TCGGGAACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202694 representing NM_004616
Red=Cloning site Green=Tags(s)

MAGVSACIKYSMFTFNFLFWLCGILILALAIWVRISNDSQAIFGSEDVGSSSYVAVDILIAVGAIIMILG
 FLACCGAIKESRCMLLLFFIGLLLILLQVATGILGAVFKSKSDRIVNETLYENTKLLSATGESEKQFQE
 AIIVFQEEFKCCGLVNGAADWGNFQHYPELCACLDKQRPCQSYNGKQVYKETCISFIKDFLAKNLIIVI
 GIAFGLAVIEILGLVFSMVLQCIGNK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

RefSeq: [NM_004616.2](#), [NP_004607.1](#)

RefSeq Size: 1159 bp

RefSeq ORF: 714 bp

Locus ID: 7103

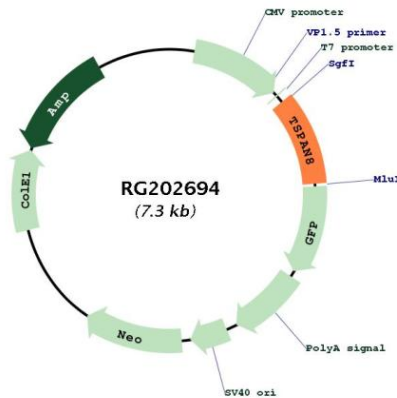
UniProt ID: [P19075](#)

Cytogenetics: 12q21.1

Protein Families: Transmembrane

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 RG202694