

Product datasheet for **RG223270**

TM9SF3 (NM_020123) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM9SF3 (NM_020123) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TM9SF3
Synonyms:	EP70-P-iso; SMBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223270 representing NM_020123
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCGCTGCCTGGCGCTCTTGGCGTGGCGCGGCCCGCGCTGTGGCTGCTGCTGCTGCTGCTG
 CCCGACCCGGCGGACGAGCACGAACACACGTATCAAGATAAAGAGGAAGTTGCTTATGGATGAATAC
 TGTGGGCCCTACCATAATCGTCAAGAAACATATAAGTACTTTTCACTTCCATTCTGTGTGGGTCAAAA
 AAAAGTATCAGTCATTACCATGAACTCTGGGAGAAGCACTTCAAGGGTTGAATTGGAATTTAGTGGTC
 TGGATATTAATTTAAAGATGATGTGATGCCAGCCACTTACTGTGAAATTGATTTAGATAAAGAAAAGAG
 AGATGCATTTGTATGCCATAAAAAATCATTACTGGTACCAGATGTACATAGATGATTTACCAATATGG
 GGTATTGTTGGTGGCTGATGAAAATGGAGAAGATTACTATCTTTGGACCTATAAAAAACTTGAATAG
 GTTTTAATGGAATCGAATTGTTGATGTTAATCTAACTAGTGAAGGAAAGGTGAACTGGTTCCAATAC
 TAAATCCAGATTCATATTCAGTAAAAAGTCAAGTCAAGTGTGAAATTTGAAGATCGATTTGACAAA
 TATCTTGATCCGTCCTTTTTTCAACATCGGATTCAATGGTTTTCAATTTCAACTCCTTCATGATGGTGA
 TCTTCTGGTGGCTTAGTTTCAATGATTTAATGAGAACATTAAGAAAAGATTATGCTCGGTACAGTAA
 AGAGGAAGAAATGGATGATATGGATAGAGACCTAGGAGATGAATATGGATGGAACAGGTGCATGGAGAT
 GTATTTAGACCATCAAGTCAACCCACTGATATTTTCTCTCTGATTGGTCTGGATGTGATGATTTGCTG
 TGTCTCTCATCGTTATTATTGTTGCAATGATAGAAGATTTATATACTGAGAGGGGATCAATGCTCAGTAC
 AGCCATATTTGTCTATGCTGCTACGCTCCAGTGAATGGTTATTTGGAGGAAGTCTGTATGCTAGACAA
 GGAGGAAGGAGATGGATAAAGCAGATGTTTATTGGGCGATTCTTATCCCAGCTATGGTGTGTGGCACTG
 CCTTCTCATCAATTTTATAGCCATTTATTACCATGCTTCAAGAGCCATTCCTTTTGAACATGGTGGC
 CGTTTGTGCATCTGTTTTTTTGTATTCTTCTCTAAATCTTGTGGTACAATACTTGGCCGAAATCTG
 TCAGGTACAGCCAACTTTCTTGTGCTGCAATGCTGTGCCTCGTCTATACCGGAGAAAAAATGGTTCA
 TGGAGCCTGCGGTTATTGTTGCTGGGTGGAATTTTACCTTTTGGTTCAATCTTTATTGAAATGTATTT
 CATCTTACGCTTTTCTGGGCATATAAGATCTATTATGTCTATGGCTTCATGATGCTGGTCTGTTATC
 CTGTGCATTGTGACTGTCTGTGACTATTGTGTGCACATATTTTCTACTAAATGCAGAAGATTACCGGT
 GGCAATGGACAAGTTTTCTCTGCTGCATCAACTGCAATCTATGTTTACATGATTTCTTTTACTACTA
 TTTTTTCAAACAAGATGTATGGCTTATTTCAAACATCATTTTACTTTGGATATATGGCGGATTTAGC
 ACAGCCTTGGGATAATGTGTGGAGCGATTGGTTACATGGGAACAAGTGCCTTTGTCCGAAAAATCTATA
 CTAATGTGAAAATTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223270 representing NM_020123
 Red=Cloning site Green=Tags(s)

MRPLPGALGVAAAAALWLLLLLPRTRADEHEHTYQDKKEEVLMWNTVGPYHNRQETYKYFSLPFCVGSK
 KSISHYHETLGEALQGVELEFSGLDIKFKDDVMPATYCEIDLKDKRDAFVYAIKNHYWYQYIDDLPIW
 GIVGEADENGEDYYLWYKLEIGFNGNRIVDVNLTSEGVKLVNPKIQISYSVKWKSVDVKFEDRFDK
 YLDPSPFFQHRHWFIFNSFMMVIFLVGLVSMILMRTLKDYARYSKEEEMDDMDRDLGDEYGWKQVHGD
 VFRPSSHPLIFSSLIGSGQIFAVSLIIVAMIEDLYTERGSMSTAIFFVYAATSPVNGYFGGSLYARQ
 GRRRWIKQMFIGAFLIPAMVCGTAFFINFIAIYYHASRAIPFGTMVAVCCICFFVILPLNLVGTILGRNL
 SGQPNFPCRNVAVPRPIPEKKWFMEPAVIVCLGGILPFGSIFIEMYFIFTSFWAYKIYYVYGFMMMLVLI
 LCIVTVCTIVCTYFLLNAEDYRWQWTSFLSAASTAIYVYMYSFYYYFFKTKMYGLFQTSFYFGYMAVFS
 TALGIMCGAIGYMGTSAFVRKIYTNVKID

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020123

ORF Size: 1767 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_020123.2](#), [NP_064508.2](#)

RefSeq Size: 3592 bp

RefSeq ORF: 1770 bp

Locus ID: 56889

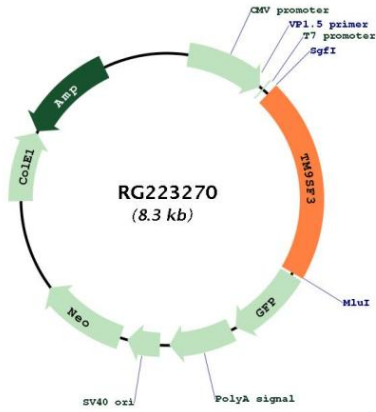
UniProt ID: [Q9HD45](#)

Cytogenetics: 10q24.1

Domains: EMP70

Protein Families: Transmembrane

Product images:



Circular map for RG223270