

Product datasheet for **RG202048**

TM9SF1 (NM_006405) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM9SF1 (NM_006405) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TM9SF1
Synonyms:	HMP70; MP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202048 representing NM_006405
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGACAGTCGTAGGGAACCTCGAAGTTGGAGCTGCCAGTGGTTGCCAATCCTGATACTGTTGCTGGGCA
 CAGGCCATGGGCCAGGGTGGAAGGCGTGACACACTACAAGGCCGCGACCCCTGTTATTCTGTATGTCAA
 CAAAGTGGGACCTACCATAACCCCTCAGAAACTTACCACTACTATCAGCTTCCAGTCTGCTGCCCTGAG
 AAGATACGTACAAAAGCCTTAGCCTGGGTGAAGTGCTGGATGGGACCGAATGGCTGAGCTTTGTATG
 AGATCCGCTTTCGGGAAACGTGGAGAAGAGAATTCTGTGCCACATGCAGCTCAGTTCTGCACAGGTGGA
 GCAGCTGCCCAGGCCATTGAAGAACTGTACTACTTTGAATTTGTGGTAGATGACTTGCCAATCCGGGGC
 TTTGTGGGCTACATGGAGGAGAGTGGTTTCTGCCACACAGCCACAAGATAGGACTCTGGACCCATTG
 ACTTCCACCTAGAATTCCATGGAGACCGAATTATATTTGCCAATGTTTCAGTGCGGGACGTCAGCCCCA
 CAGCTTGGATGGGTTACGACCTGACGAGTTCCTAGGCCTTACCCACACTTATAGCGTGCGCTGGTCTGAG
 ACTTCAGTGGAGCGTCGGAGTGACAGGCCCGTGGTGACGATGGTGGTTTCTTTCTCGAACACTGGAAA
 TCCATTGGTTGTCCATCATCAACTCCATGGTGCTTGTGTTTTACTGGTGGGTTTTGTGGCTGTCATTCT
 AATGCGTGTGCTTCGGAATGACCTGGCTCGGTACAACCTTAGATGAGGAGACCACCTCTGCAGGTTCTGGT
 GATGACTTTGACCAGGGTGACAAATGGCTGGAAAATTATCCATACAGATGTCTCCGCTTCCCCCATACC
 GTGGTCTGCTCTGTGCTGTGCTTGGCGTGGGTGCCAGTTCCTGGCCCTTGGCACTGGCATTATTGTCAT
 GGCAGTCTGGGCATGTTCAATGTGCACCGTCATGGGGCCATTAACTCAGCAGCCATCTTGTTGTATGCC
 CTGACCTGCTGCATCTCTGGCTACGTGTCCAGCCACTTCTACCGGCAGATTGGAGGCGAGCGTTGGGTGT
 GGAACATCATTCTCACCACAGTCTCTTCTCTGTGCCTTCTTCTGACGTGGAGTGTGGTGAACCTCAGT
 GCATTGGGCCAATGGTTTCGACACAGGCTCTGCCAGCCACAACCATCCTGCTGCTTCTGACGTTTGGCTG
 CTGGTGGGCTTTCCCTCACTGTCAATTGGAGGCATCTTTGGGAAGAACAACGCCAGCCCTTTGATGCAC
 CCTGTGCGACCAAGAACATCGCCCGGGAGATTCCACCCAGCCCTGGTACAAGTCTACTGTCATCCACAT
 GACTGTTGGAGGCTTCTGCCTTTCAGTGCCATCTCTGTGGAGCTGTACTACATCTTGGCAGATATGG
 GGTGGGAGCAGTACACTTTGTACGGCATCCTCTTCTTGTCTTCCGATCCTGCTGAGTGTGGGGCTT
 GCATCTCCATTGCACTCACCTACTTCCAGTTGTCTGGGAGGATTACCGTGGTGGTGGCATCTGTGCT
 GAGTGTGGCTCCACCGCCTCTTCATCTTCTCTACTCAGTTTTCTATTATGCCCGCGCTCCAACATG
 TCTGGGCGAGTACAGACAGTAGAGTTCTTCGGCTACTCCTTACTACTGTTATGTCTTCTCTCATGC
 TGGGCACCATCTCCTTTTTTCTCCCTAAAGTTCATCCGGTATATCTATGTTAACCTCAAGATGGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202048 representing NM_006405
 Red=Cloning site Green=Tags(s)

MTVVGNNRWSQWLPIILLLLTGHGPGVEGVTHYKAGDPVILYVNKVGYPYHNPQETYHYQLPVCCPE
 KIRHKSLSLGEVLDGDRMAESLYEIRFRENVEKRILCHMQLSSAQVEQLRQAIIEELYFEFVDDLPIRG
 FVGMEESGFLPHSHKIGLWTHLDFHLEFHGDRIIFANVSVRDVKPHSLDGLRPDEFLGLTHTYSVRWSE
 TSVERRSDRRRGDDGGFFPRTLEIHWLSIINSMVLVFLLVGFVAVILMRVLRNDLARYNLDEETTSAGSG
 DDFDQGDNGWKIHTDVFRFPYRGLLCAVLGVGAQFLALGTGIIVMALLGMFNVHRHGAINSAAILLYA
 LTCCISGYVSSHFYRQIGGERWVWNIILTSLFSVPFFLTWSVNVSVHWANGSTQALPATTILLLLTVWL
 LVGFPLTVIGGIFGKNNASPFDAPCRTKNIAREIPPQWYKSTVIHMTVGGFLPFSAISVELYYIFATVW
 GREQYTLYGILFFVFAILLSVGACISIALTYFQLSGEDYRWWRSVLSVGSTGLFIFLYSVFYARRSNM
 SGAVQTVFEFFGYSLLTGYVFFLMLGTISFFSSLKFIIRYIYVNLKMD

TRTRPLE – GFP Tag – V

Restriction Sites:

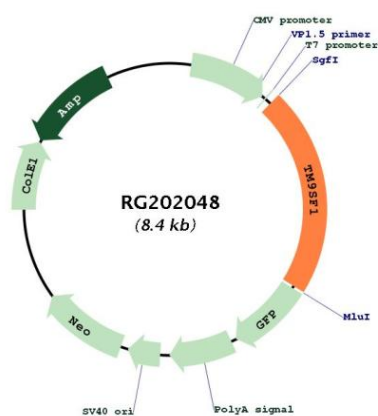
SgfI-MluI

Cloning Scheme:


ACCN:	NM_006405
ORF Size:	1818 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_006405.7
RefSeq Size:	2449 bp
RefSeq ORF:	1821 bp
Locus ID:	10548

UniProt ID: O15321
 Cytogenetics: 14q12
 Domains: EMP70
 Protein Families: Transmembrane
 Gene Summary: Plays an essential role in autophagy.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202048