

Product datasheet for **RC202048**

TM9SF1 (NM_006405) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM9SF1 (NM_006405) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TM9SF1
Synonyms:	HMP70; MP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC202048 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGTCGTAGGGAACCTCGAAGTTGGAGCTGCCAGTGGTTGCCAATCCTGATACTGTTGCTGGGCA
 CAGGCCATGGGCCAGGGGTGGAAGGCGTGACACACTACAAGGCCGCGACCCCTGTTATTCTGTATGTCAA
 CAAAGTGGGACCCTACCATAACCCCTCAGGAACTTACCACTACTATCAGCTTCCAGTCTGCTGCCCTGAG
 AAGATACGTCACAAAAGCCTTAGCCTGGGTGAAGTGTGGATGGGACCGAATGGCTGAGTCTTTGTATG
 AGATCCGCTTTCGGGAAAACGTGGAGAAGAGAATTCTGTGCCACATGCAGCTCAGTTCTGCACAGGTGGA
 GCAGCTGCGCCAGGCCATTGAAGAACTGTACTACTTTGAATTTGTGGTAGATGACTTGCCAATCCGGGGC
 TTTGTGGGCTACATGGAGGAGAGTGGTTTCTGCCACACAGCCACAAGATAGGACTCTGGACCCATTG
 ACTTCCACCTAGAATTCCATGGAGACCGAATTATATTTGCCAATGTTTCAGTGCAGGACGTAAGCCCCA
 CAGCTTGGATGGGTTACGACCTGACGAGTTCCTAGGCCTTACCCACACTTATAGCGTGCCTGGTCTGAG
 ACTTCAGTGGAGCGTCGGAGTGACAGGCCCGTGGTGACGATGGTGGTTTCTTTCTCGAACACTGGAAA
 TCCATTGGTTGTCCATCATCAACTCCATGGTGCTTGTGTTTTACTGGTGGGTTTTGTGGCTGTCATTCT
 AATGCGTGTGCTTCGGAATGACCTGGCTCGGTACAACCTTAGATGAGGAGACCACCTCTGCAGGTTCTGGT
 GATGACTTTGACCAGGGTGACAAATGGCTGGAAAATTATCCATACAGATGTCTTCCGCTTCCCCCATACC
 GTGGTCTGCTCTGTGCTGTGCTTGGCGTGGGTGCCAGTTCCTGGCCCTTGGCACTGGCATTATTGTCAT
 GGCAGTCTGGGCATGTTCAATGTGCACCGTCATGGGGCCATTAACTCAGCAGCCATCTTGTGTATGCC
 CTGACCTGCTGCATCTCTGGCTACGTGTCCAGCCACTTCTACCGGCAGATTGGAGGCGAGCGTTGGGTGT
 GGAACATCATTCTCACCACAGTCTCTTCTGTGCCTTTCTTCTGACGTGGAGTGTGGTGAACCTCAGT
 GCATTGGGCCAATGGTTTCGACACAGGCTCTGCCAGCCACAACCATCCTGCTGCTTCTGACGTTTGGCTG
 CTGGTGGGCTTTCCCTCACTGTCATTGGAGGCATCTTTGGGAAGAACAACGCCAGCCCTTTGATGCAC
 CCTGTCGCACCAAGAACATCGCCCGGGAGATTCCACCCAGCCCTGGTACAAGTCTACTGTCATCCACAT
 GACTGTTGGAGGCTTCTGCCTTTCAGTGCCATCTCTGTGGAGCTGTACTACATCTTGGCAGATATGG
 GGTGGGAGCAGTACACTTTGTACGGCATCCTCTTCTTGTCTTCCGATCCTGCTGAGTGTGGGGCTT
 GCATCTCCATTGCACTCACCTACTTCCAGTTGTCTGGGAGGATTACCGTGGTGGTGGCGATCTGTGCT
 GAGTGTGGCTCCACCGCCTCTTCATCTTCTCTACTCAGTTTTCTATTATGCCCGGCGCTCAACATG
 TCTGGGCGAGTACAGACAGTAGAGTTCTTCGGCTACTCCTTACTACTGTTATGTCTTCTCTCATGC
 TGGGCACCATCTCTTTTTTTCTCCCTAAAGTTCATCCGGTATATCTATGTTAACCTCAAGATGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202048 protein sequence
 Red=Cloning site Green=Tags(s)

MTVVGNPRSWSCQWLPIILILLGTGHGPGVEGVTHYKAGDPVILYVNKVGYPYHNPQETYYHYQLPVCCPE
 KIRHKSLSLGEVLGDMAESLYEIRFRENVEKRILCHMQLSSAQVEQLRQAEIELYYFEFVDDLPIRG
 FVGMEESGFLPHSHKIGLWTHLDFHLEFHGDRIIFANVSVRDVKPHSLDGLRPDEFGLTHTYSVRWSE
 TSVERRSDRRRGDDGGFFPRTLEIHWLSIINSMVLVLLVGFVAVILMRVLRNDLARYNLDEETTSAGSG
 DDFDQGDNGWKIHTDVFRFPYRGLLCAVLGVGAQFLALGTGIIMALLGMFNVHRHGAINSAAILLYA
 LTCCISGYVSSHFYRQIGGERWVWNIILTSLFSVPFFLTWSVNSVHWANGSTQALPATTILLLLTVWL
 LVGFPLTVIGGIFGKNNASPFDAPCRTKNIAREIPPQWPYKSTVIHMTVGGLPFSASISVELYYIFATVW
 GREQYTYGILFFVFAILLSVGACISIALTYFQLSGEDYRWWRSVLSVGSTGLFIFLYSVFYARRSNM
 SGAVQTVEFFGYSLTGYVFFLMLGTISFFSSLKFIRYIYVNLKMD

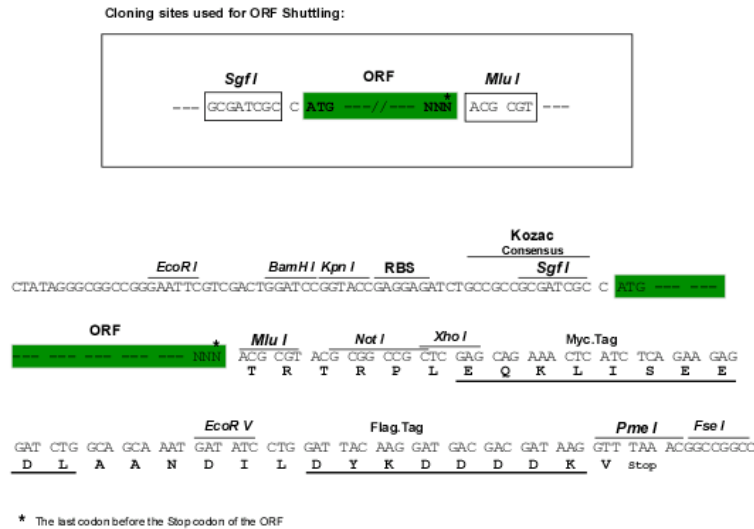
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6004_c03.zip

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.

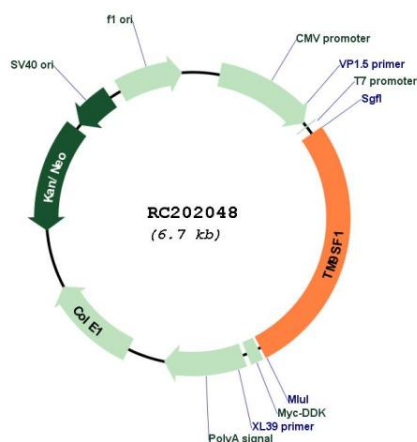
RefSeq: [NM_006405.7](#)

RefSeq Size: 2517 bp

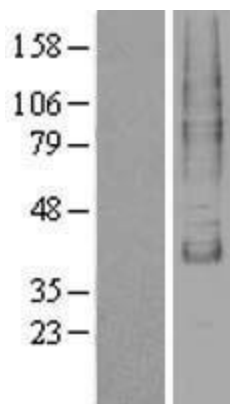
RefSeq ORF: 1821 bp

Locus ID:	10548
UniProt ID:	O15321
Cytogenetics:	14q12
Domains:	EMP70
Protein Families:	Transmembrane
MW:	68.9 kDa
Gene Summary:	Plays an essential role in autophagy.[UniProtKB/Swiss-Prot Function]

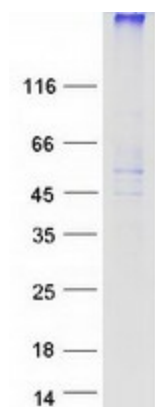
Product images:



Circular map for RC202048



Western blot validation of overexpression lysate (Cat# [LY401926]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202048 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TM9SF1 protein (Cat# [TP302048]). The protein was produced from HEK293T cells transfected with TM9SF1 cDNA clone (Cat# RC202048) using MegaTran 2.0 (Cat# [TT210002]).