

Product datasheet for **RR205652**

Tm9sf1 (NM_001012155) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tm9sf1 (NM_001012155) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tm9sf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205652 representing NM_001012155
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGTCCTAGGGCACCTCGAAGTTGGAGCTGCCATTGTTTGCCAGTCCTGATACTGTTGCTGGGCA
 TAGGCCACGGGCCACGGGTGGAAGGTGTACACACTACAAGCCCGCGACCCTGTCATTCTATATGTCAA
 CAAAGTGGGACCTACCATAACCCCTCAGAAAATTACCACTACTACCAGCTTCCAGTCTGCTGTCCGGAG
 AAGATCCGACACAAAAGTCTTAGTTTGGGTGAAGTACTGGATGGGACCGAATGGCCGAATCTTTGTACG
 AGATCCGCTTTCGGGAGAATGTGGAGAAGAGAATTCTGTGCCACATGCAGCTCAGTTCTGCGCAGGTGGA
 GCAGCTGCGCCAGGCCATTGAGGAATTGTATTACTTTGAGTTTGTGGTAGATGACTTGCCAATCCGTGGT
 TTTGTGGGCTACATGGAAGAGAGTGGCTTCTGCCGCACAGCCACAAGATAGGCCTCTGGACACATTGG
 ACTTCCACCTAGAATTCCATGGAGATCGAATTATATTTGCCAATGTTTCAGTTCCGGGATGTCAAGCCCCA
 TAGCTTGGATGGGCTACGGTCTGACGAATTACTGGGCCTTACTCACACTTACAGTGTACGCTGGTCTGAG
 ACGTCAGTGGAGCATCGGAGTGATAGGCCCGAGCTGATGATGGTGGTTTCTTTCTCGAACCTGGAAA
 TCCATTGGTTGTCCATCATCAACTCCATGGTGCTTGTGTTTTACTGGTGGGTTTTGTGGCTGTTATTCT
 AATGCGTGTGCTTCGAAATGACCTGGCTCGGTACAACCTAGATGAAGAGACCAGCTCTGGAGGCTAGT
 GATGACTTTGACCAGGTGATAATGGCTGGAAAATTATCCATACAGATGTCTTCCGCTTCCCTCCATGTC
 GTGGTCTACTCTGTGCTGTGCTTGGTGTGGGCGCCAGTTCCTGGCCCTTGGCACTGGCATCATTGTCAT
 GGCGTTGCTGGGCATGTTCAATGTACACCGTCATGGAGCCATTAACTCAGCAGCAATCTTGTGTATGCC
 CTGACCTGCTGCATCTCTGGCTACGTGTCCAGCCACTTCTACCGGCAATCGGAGCGAGCGATGGGTAT
 GGAACATCATTCTCACCACAGTCTCTTCTGTGCCTTCTTCTGACCTGGAGTGTGGTGAACCTCAGT
 GCACTGGGCCAACGGTTTCGACACAGGCTCTACCGGTTACAACCATCCTGCTGCTTCTGACAGTTTGGCTG
 CTGGTAGGCTTTCCTCTCACTGTCTTGGAGGCATCTTCGGGAAGAACAACGCTAGTCTCTTTGATGCAC
 CTTGTGCGACGAAGAATATCGCCCGGGAGATCCACCCCAACCCTGTGCCATCTCTGTGGAGCTGTACTA
 CATCTTTGCCACCGTCTGGGGCCGAGAGCAGTACACGCTGTACGGCATCCTCTTCTTTGTCTTCCGCATC
 CTGCTGAGCGTGGGGGCTGCATCTCCATTGCGCTCACCTACTTCCAGCTGTCTGGGAAGATTACCGCT
 GGTGGTGGCGATCTGTGCTAAGCGTTGGCTCCACTGGCCTTTCATCTTCTCTACTCAGTTTCTACTA
 TGCTCGGCGGTCCAACATGTGAGGGCAGTACAGACAGTAGAGTTCTTTGGCTACTCTTTACTGACTGGT
 TATGCTTCTTCTCATGCTGGGCACCATCTCCTTTTTAGTTTCCTTAAAGTTCATCCGTATATCTATG
 TTAACCTCAAGATGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

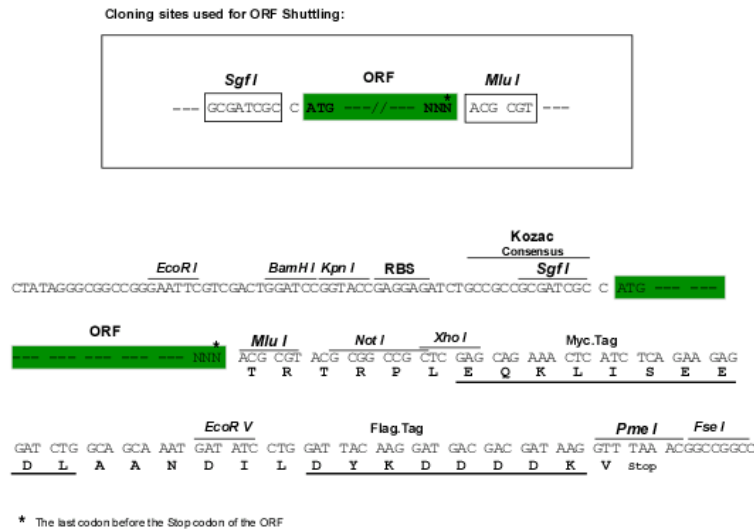
>RR205652 representing NM_001012155
 Red=Cloning site Green=Tags(s)

MTVLGHPRSWSCHCLPVLILLGIGHGPRVEGVTHYKPGDPVILYVNKVGPHYNPQETYHYQLPVCCPE
 KIRHKSLSLGEVLGDGRMAESLYEIRFRENVEKRILCHMQLSSAQVEQLRQAIIEELYFEFVVDLPIRG
 FVGMEESGFLPHSHKIGLWTHLDFHLEFHGDRIIFANVSVRDVKPHSLDGLRSDLLGLTHTYSVRWSE
 TSVEHRSDRRRADDGGFFPRTLEIHWLSIINSMVLVFLLVGFVAVILMRVLRNDLARYNLDEETSSGGSS
 DDFDQGDNGWKIIHTDVFRFPFCRGLLCAVLGVGAQFLALGTGIIMALLGMFNVHRHGAINSAAILLYA
 LTCCISGYVSSHFYRQIGGERWVWNIILTSLFSVPFFLTWSVVNSVHWANGSTQALPVTTILLLLTVWL
 LVGFPLTVIGGIFGKNNASPFDAPCRKNIAREIPPQCAISVELYYIFATVWGREQYTLYGILFFVFAI
 LLSVGACISIALTYFQLSGEDYRWWRSVLSVGSTGLFIFLYSVFYARRSNMSGAVQTVEFFGYSLLTG
 YVFFLMLGTISFFSSSLKIFIRYIYNLKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001012155

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_001012155.1](#), [NP_001012155.1](#)

RefSeq Size: 2441 bp

RefSeq ORF: 1770 bp

Locus ID: 361043

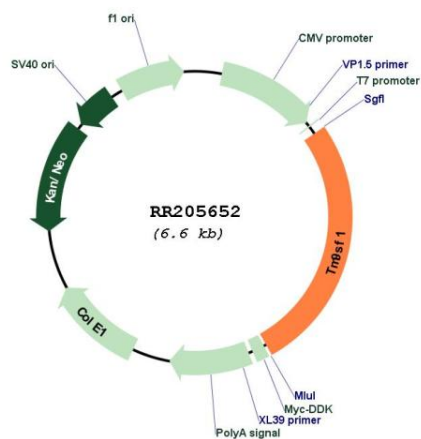
UniProt ID: [Q66HF2](#)

Cytogenetics: 15p13

MW: 66.9 kDa

Gene Summary: Plays an essential role in autophagy.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205652