

Product datasheet for **RN205652**

Tm9sf1 (NM_001012155) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN205652 representing NM_001012155
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGTCTAGGGCACCTCGAAGTTGGAGCTGCCATTGTTTGCCAGTCTGATACTGTTGCTGGGCA
 TAGGCCACGGGCCACGGGTGGAAGGTGTACACACTACAAGCCCGCGACCCTGTATTCTATATGTCAA
 CAAAGTGGGACCCTACCATAACCCTCAGGAAACTTACCACTACTACCAGCTTCCAGTCTGCTGTCCGGAG
 AAGATCCGACACAAAAGTCTTAGTTTGGGTGAAGTACTGGATGGGGACCGAATGGCCGAATCTTTGTACG
 AGATCCGCTTTCGGGAGAATGTGGAGAAGAGAATTCTGTGCCACATGCAGCTCAGTTCTGCGCAGGTGGA
 GCAGCTGCGCCAGGCCATTGAGGAATTGTATTACTTTGAGTTTGTGGTAGATGACTTGCCAAATCCGTGGT
 TTTGTGGCTACATGGAAGAGAGTGGCTTCTGCCGCACGCCACAAGATAGGCCTCTGGACACATTTGG
 ACTTCCACCTAGAATTCCATGGAGATCGAATTATATTTGCCAATGTTTCAGTTCCGGGATGTCAAGCCCCA
 TAGCTTGGATGGCTACGGTCTGACGAATTACTGGCCTTACTCACACTTACAGTGTACGCTGGTCTGAG
 ACGTCAGTGGAGCATCGGAGTGATAGGCCCGAGCTGATGATGGTGGTTTCTTTCCTCGAACCTGGAAA
 TCCATTGGTTGTCCATCATCAACTCCATGGTGCTTGTGTTTTACTGGTGGGTTTTGTGGCTGTTATTCT
 AATGCGTGTGCTTCGAAATGACCTGGCTCGGTACAACCTAGATGAAGAGACCAGCTCTGGAGGCTTAGT
 GATGACTTTGACCAGGGTGATAATGGCTGGAAAATTATCCATACAGATGTCTTCCGCTTCCCTCCATGTC
 GTGGTCTACTCTGTGCTGTGCTTGGTGTGGGCGCCAGTTCCTGGCCCTTGGCACTGGCATCATTGTCAT
 GCGTGTGCTGGGCATGTTCAATGTACACCGTCATGGAGCCATTAECTCAGCAGCAATCTTGTGTATGCC
 CTGACCTGCTGCATCTCTGGCTACGTGTCCAGCCACTTCTACCGCAAATCGGAGGCGAGCGATGGGTAT
 GGAACATCATTCTACCACCAGTCTTCTCTGTGCCTTCTTTCCTGACCTGGAGTGTGGTGAACCTCAGT
 GCACTGGGCCAACGGTTTCGACACAGGCTTACCGGTTACAACCATCCTGCTGCTTCTGACAGTTTGGCTG
 CTGGTAGGCTTTCCTCTCACTGTCTATTGGAGGCATCTTCGGGAAGAACAACGCTAGTCTTTTTGATGCAC
 CTTGTGCGACGAAGAATATCGCCCGGGAGATCCCAACCCCAACCTGTGCCATCTCTGTGGAGCTGTACTA
 CATCTTTGCCACCGTCTGGGGCCGAGAGCAGTACACGCTGTACGGCATCCTCTTTTGTCTTCGCCATC
 CTGCTGAGCGTGGGGCCTGCATCTCCATTGCGCTCACCTACTTCCAGCTGTCTGGGAAGATTACCCT
 GGTGGTGGCGATCTGTGCTAAGCGTTGGCTCCACTGGCCTTTCATCTTCTCTACTCAGTTTTCTACTA
 TGCTCGGCGGTCCAACATGTCAAGGGCAGTACAGACAGTAGAGTTCTTTGGCTACTTTTACTGACTGGT
 TATGTCTTCTTCTCATGCTGGCACCATCTCCTTTTTAGTTTCCTTAAAGTTCATCCGTTATATCTATG
 TTAACCTCAAGATGGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012155

Insert Size: 1770 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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