

Product datasheet for **SC116094**

TM9SF1 (NM_006405) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM9SF1 (NM_006405) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM9SF1
Synonyms:	HMP70; MP70
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC116094 sequence for NM_006405 edited (data generated by NextGen Sequencing)

```

ATGACAGTCGTAGGGAACCCTCGAAGTTGGAGCTGCCAGTGGTTGCCAATCCTGATACTG
TTGCTGGGCACAGGCCATGGGCCAGGGTGGAAGGCGTGACACACTACAAGGCCGGCGAC
CCTGTTATTCTGTATGTCAACAAAGTGGGACCCTACCATAACCCTCAGGAACTTACCAC
TACTATCAGCTTCCAGTCTGCTGCCCTGAGAAGATACGTACAAAAGCCTTAGCCTGGGT
GAAGTGCTGGATGGGGACCGAATGGCTGAGTCTTTGTATGAGATCCGCTTTCGGGAAAAC
GTGGAGAAGAGAATTCTGTGCCACATGCAGCTCAGTTCTGCACAGGTGGAGCAGCTGCGC
CAGGCCATTGAAGAACTGTACTACTTTGAATTTGTGGTAGATGACTTGCCAATCCGGGGC
TTTGTGGGCTACATGGAGGAGAGTGGTTTCCTGCCACACAGCCACAAGATAGGACTCTGG
ACCCATTTGGACTTCCACCTAGAATTCCATGGAGACCGAATTATTTGCCAATGTTTCA
GTGCGGGACGTCAAGCCCCACAGCTTGGATGGGTACGACCTGACGAGTTCCTAGGCCTT
ACCCACACTTATAGCGTGCCTGGTCTGAGACTTCAGTGGAGCGTCGGAGTGACAGGCGC
CGTGGTGACGATGGTGGTTTCTTCTCGAACACTGGAATCCATTGGTTGTCCATCATC
AACTCCATGGTGCTTGTGTTTTACTGGTGGGTTTTGTGGCTGTCATTCTAATGCGTGTG
CTTCGGAATGACCTGGCTCGGTACAACCTAGATGAGGAGACCACCTCTGCAGTTCTGGT
GATGACTTTGACCAGGTGACAATGGCTGGAATATCCATACAGATGTCTTCCGCTTC
CCCCATACCGTGGTCTGCTCTGTGCTGTGCTTGGCGTGGGTGCCAGTTCCTGGCCCTT
GGCACTGGCATTATTGTCTGCTGCTGCTGGGCATGTTCAATGTGCACCGTCATGGGGCC
ATTAACCTCAGCAGCCATCTTGTGTATGCCCTGACCTGCTGCATCTCTGGCTACGTGTCC
AGCCACTTCTACCGGCAGATTGGAGGCGAGCGTTGGGTGTGGAACATCATTCTCACCACC
AGTCTCTTCTCTGTGCCTTTCTTCTGACGTGGAGTGTGGTGAACCTCAGTGCATTGGGCC
AATGGTTCGACACAGGCTCTGCCAGCCACAACCATCCTGCTGCTTCTGACGGTTTGGCTG
CTGGTGGGCTTTCCCTCACTGTCAATTGGAGGCATCTTTGGGAAGAACAACGCCAGCCCC
TTTGATGCACCCTGTGCGACCAAGAACATCGCCCGGGAGATTCCACCCAGCCCTGGTAC
AAGTCTACTGTATCCACATGACTGTTGGAGGCTTCTGCCTTTCAGTGCCATCTCTGTG
GAGCTGTACTACATCTTTGCCACAGTATGGGGTCGGGAGCAGTACACTTGTACGGCATC
CTCTTCTTGTCTTCGCCATCCTGCTGAGTGTGGGGGCTTGCATCTCCATTGCACTCACC
TACTTCCAGTTGTCTGGGGAGGATTACCGCTGGTGGTGGCGATCTGTGCTGAGTGTGGC
TCCACCGGCTCTTCATCTTCTCTACTCAGTTTTCTATTATGCCCGGCGCTCCAACATG
TCTGGGGCAGTACAGACAGTAGAGTTCTTCGGCTACTCCTTACTCACTGGTTATGTCTTC
TTCCTCATGCTGGGCACCATCTCTTTTTTTCTTCCCTAAAGTTCATCCGGTATATCTAT
GTTAACCTCAAGATGGACTGA

```

Clone variation with respect to NM_006405.5

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006405 unedited
 ACTTAGCATTTGTATCCGACTTACTATAGGNCAGGCCGCGCAATTCGGCACGAGGGCCA
 GCCCTTCCCGCGCGGTTCCACTGCCTTAAGGATGACAGTCGTAGGGAACCTCGAAGTTG
 GAGCTGCCAGTGGTTGCCAATCCTGATACTGTTGCTGGGCACAGGCCATGGGCCAGGGGT
 GGAAGGCGTGACACACTACAAGGCCGCGACCTGTTATTCTGTATGTCAACAAAGTGGG
 ACCCTACCATAACCCTCAGGAACTTACCACTACTATCAGCTTCCAGTCTGCTGCCCTGA
 GAAGATACGTACAAAAGCCTTATCCTGGGTGAAGTCTGGATGGGACCGAATGGCTGA
 GTCTTTGTATGAGATCCGCTTTTCGGGAAAACGTGGAGAAGAGAATTCTGTGCCACATGCA
 GCTCAGTTCTGCACAGGTGGAGCAGCTGCGCCAGGCCATTGAAGAACTGTACTACTTTGA
 ATTTGTGGTAGATGACTTGCCAATCCGGGGCTTTGTGGGCTACATGGAGGAGAGTGGTTT
 CCTGCCACACAGCCACAAGATAGGACTCTGGACCCATTTGGACTTCCACCTAGAATTCCA
 TGGAGACCGAATTATATTTGCCAATGTTTCAGTGGGGACGTCAAGCCCCACAGCTTGA
 TGGGTTACGACCTGACGAGTTCCTATGCCTTACCCACACTATAGCGTGCCTGGTCTGA
 GACTTCAGTGGAGCGTCGGAGTGACAGGCGCCGTGGTGACGATGGTAGTTTCTTCCCTC
 GACACTGGATATCCATTGGTTGTCCATCATCACTNCATGGTGCCTTGTGTTTTTACTGG
 TAGGGTTNTGTAGCTGTATTCTAATGCGTGTGCTTTCGAATGACCTGGCTCGGTCCAAC
 TTANATGAAGAGACACCTCTAGCAGTTCTGGTGATGACTTTGACCCAGGTGACATGGCTG
 G

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006405 unedited
 CTTCCAGGGCCGNAAGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCA
 GGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGNNNTTTTTTTTTTTTTTTTTT
 TTTTTTTTTCTTTTTCTTAATAATTTTATTTTGGTAATTGTAAAAAGAAAAATCAGGAC
 CAAAATAAAGGCAACTTAAAAAGTTCAAATATATAATCCTTATGTGATAAAAAATTTATA
 ATTTCCAGGCCCTTTTGGGGAAGGAATGCCCAAAGGGCAAAAGGGAAGGCAACAATGCC
 ATCACACATTTCACTCAATCAAAAAAAGCTGGTAGGAAAGTTCAACAGGGCATGAAAA
 AAGGGAAGAAGACGAATAGTTCTGCCATACAAAACCTAGTCCATCTTGAGGTTAACATA
 AATATACCGGATGAATTTAGGGAAAAAAGGAGATGGTGCCAGCATGAGGAAAAA
 GACATAACCAAGTGAAGGAGTACCGAAGAACTCTACTGTCTGTACTGCCAGACAT
 GTTGAGCGCCGGGCATAATAGAAAACTGAGTAAAGGAAGATGAAGAGGCGGTGGAGCC
 AACACTAGCACAGATCGCCACCACAGCGTTAATCCTCCAGACAAGTGAAGTAGGT
 GAGTGCAATGGAGATGCAAGCCCCACACTCAGCAGGATGGCGAAGACAAAGAGAGGATG
 CCGTACAAAGTGTACTGCTCCGACCCCTACTGTGGCAAAGATGTAGTACAGCTCCAGA
 GATGGCACTGAAAGGCAGGAACCTTCACAGTCATGTGGATGACAGTAACTTGTACCAG
 GCCTTGGGTGGATCTCCCGGCGATGTCTTGGTGCGACAGGTGCATCAAGGGGCTTGCTG
 TGTTCTTCCAAATGCTCCATGCAGGGAGGGAAGCCACAACCAACCTCAAACACAGG
 ATGTTGTGCTGCAAACTTGGTCACATTG

Restriction Sites:

NotI-NotI

ACCN:

NM_006405

Insert Size:

2150 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:	<u>NM_006405.5, NP_006396.2</u>
RefSeq Size:	2449 bp
RefSeq ORF:	1821 bp
Locus ID:	10548
UniProt ID:	<u>O15321</u>
Cytogenetics:	14q12
Domains:	EMP70
Protein Families:	Transmembrane
Gene Summary:	Plays an essential role in autophagy.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).