

Product datasheet for **SC301969**

TM9SF1 (NM_001014842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM9SF1 (NM_001014842) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM9SF1
Synonyms:	HMP70; MP70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC301969 representing NM_001014842.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAGTCGTAGGGAACCTCGAAGTTGGAGCTGCCAGTGGTTGCCAATCCTGATACTGTTGCTGGGC
ACAGGCCATGGGCCAGGGGTGGAAGCGTGACACACTACAAGCCGGCGACCCCTGTTATTCTGTATGTC
AACAAAGTGGGACCTACCATAACCCCTCAGGAACTTACCACTACTATCAGCTTCCAGTCTGCTGCCCT
GAGAAGATACGTACAAAAGCCTTAGCCTGGGTGAAGTGTGGATGGGACCGAATGGCTGAGTCTTTG
TATGAGATCCGCTTTCGGGAAAACGTGGAGAAGAGAATTCTGTGCCACATGCAGCTCAGTCTGCACAG
GTGGAGCAGCTGCGCCAGGCCATTGAAGAACTGTACTACTTTGAATTTGTGGTAGATGACTTGCCAAATC
CGGGGCTTTGTGGGTACATGGAGGAGAGTGGTTTCTGCCACACAGCCACAAGATAGGACTCTGGACC
CATTTGGACTTCCACCTAGAATTCATGGAGACCGAATTATTTGCCAATGTTTCAGTGCGGGACGTC
AAGCCCCACAGCTTGGATGGGTTACGACCTGACGAGTTCTAGGCCTTACCCACACTTATAGCGTGCGC
TGGTCTGAGACTTCAGTGGAGCGTCGGAGTGACAGGCGCCGTGGTGACGATGGTGGTTTCTTCTCGA
ACACTGGAATCCATTGGTTGTCCATCATCAACTCCATGGTGCTTGTGTTTTACTGGTGGGTTTTGTG
GCTGTCAATCTAATGCGTGTGCTTCGGAATGACCTGGCTCGGTACAACCTAGATGAGGAGACCACCTCT
GCAGGTTCTGGTGATGACTTTGACCAGGGTGACAATGGCTGGAATATATCCATACAGATGTCTCCGC
TTCCCCCATACCGTGGTCTGCTCTGTGCTGTGCTTGGCGTGGGTGCCAGTTCTCTGGCCCTTGGCACT
GGCATTATTGTATGGCACTGCTGGGCAATGTCAATGTGCACCGTCATGGGGCCATTAACTCAGCAGCC
ATCTTGTGTATGCCCTGACCTGCTGCATCTCTGGCTACGTGTCCAGCCACTTCTACCGGAGATTGGA
GGCGAGCGTTGGGTGTGAACATCATTCTCACCACAGTCTCTTCTCTGTGCCTTTCTTCTGACGTGG
AGTGTGGTGAACCTCAGTGCAATGGGCAATGGTTCGACACAGGCTCTGCCAGCCACAACCATCTGCTG
CTTCTGACGTTTGGCTGCTGGTGGGCTTCCCTCACTGTCTTGGAGGCATCTTTGGGAAGAACAAC
GCCAGCCCTTTGATGCACCTGTGCGACCAAGAACATCGCCGGGAGATTCCACCCAGCCCTGGTAC
AAGTCTACTGTATCCACATGACTGTTGGAGGCTTCTGCCTTTTCAAGTATCCTCCCTTTATTCCATGG
CTATTACTGTAGGTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001014842

Insert Size: 1470 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001014842.2</u>
RefSeq Size:	2193 bp
RefSeq ORF:	1470 bp
Locus ID:	10548
UniProt ID:	<u>O15321</u>
Cytogenetics:	14q12
Protein Families:	Transmembrane
MW:	55.3 kDa
Gene Summary:	Plays an essential role in autophagy.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.