

Product datasheet for **SC322405**

TM7SF2 (NM_003273) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TM7SF2 (NM_003273) Human Untagged Clone
Tag:	Tag Free
Symbol:	TM7SF2
Synonyms:	ANG1; C14SR; DHCR14A; NET47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322405
 CAGGCAGGTGCAGGCGCCGCGGGCCGGATCCTCCGCGCGGCCGAGTCCATCTCCTGGGA
 AATGGGGCGGACAGTGTTCCTTGACTGACTATTGTGAGCGCCCTCTCTCTCCGGCGGAG
 CGGAGACCATGGCCCCACTCAGGGCCCCGGGCCCGCTGGAATTCGGAGGGCCCCTGG
 GCGCCGCGGCTGCTACTGTGCTGCCGCCACCATGTTCCACCTGCTCCTGGCGGCC
 GTTCGGGCCCGCGGCCTGCTGGTCCACCCGCTCCCTGCCGGGCTGGAGGTGCTGT
 GGAGCCACGGGGCTGCTGCTGTGGCTGCCTGGCTCGCCTGCAGGCGGCGCTTACC
 TACTGCCGGCGCAAGGTGGCCGAGGGCAGGAATTGAAGGACAAGAGTCGCCTGCGCT
 ATCCTATTAACGGCTTCCAGGCCCTGGTGTGACAGCCCTGTTGGTGGGGCTGGGGATGT
 CAGCGGGGCTGCCTCTGGGGGCGCTCCCGGAAATGCTCCTGCCCTTGGCGTTTGTGCGCA
 CCCTCACCGCTTTCATCTTCAGCCTTTTTCTCTACATGAAGGCGCAGGTAGCCCCAGTTT
 CGGCCCTGGCACCTGGGGGAACTCAGGCAATCCGATTTACGACTTTTTCTGGGACGAG
 AGCTCAACCTCGTATCTGTTTCTCGACTTCAAATATTTCTGTGAAGTGCACCCGGCC
 TCATCGGCTGGTCTCATCAACCTGGCCCTGTTGATGAAGGAGGCAGAGCTTCGAGGCA
 GTCCTCACTGGCCATGTGGCTGGTCAATGGCTTCCAGTTGCTCTACGTGGGTGATGCC
 TCTGGCAGGAGGCGCTCCTACCACCATGGATATCACACATGACGGGTTTGGCTTCA
 TGCTGGCGTTTGGGGACATGGCCTGGGTGCCCTTACCTACAGCCTGCAGGCCAGTTCC
 TGCTGCACCACCCGACGCCCTGGGGTTGCCATGGCCTCTGTCTATCTGCCTCATCAATG
 CTAAGTGTACTACATCTTCCGTGGGGCGAATCCAGAAAAACACTTTCCGAAAGAATC
 CTTCTGACCCAGAGTGGCTGGGCTTGAGACCATCTCTACAGCCACAGGGCGGAAACTGC
 TGGTGTCTGGGTGGTGGGTATGGTCCGCCATCCCAACTATCTTGAGACCTCATCATGG
 CTCTGGCTTGGTCTTGCCTGCGGGGTGCACACCTGCTGCCCTACTTCTACCTCTCT
 ACTTCACCGCGCTGCTGGTGCACCGTGAGGCCCGGGATGAGCGGCAGTGCCTGCAGAA
 AGCGCCTGGCCTGGCAGGAGTACTGCCGCGTGTGCCTTACCGCATCATGCCCTACATCT
 ACTGAAGCGGCTCCACCACCCAGGTGGGGCATGTGCCACTCATCCACCAGCACACCC
 AGGACCAGGAGCCTCGACACACTGGGACTCAAGGGCTTGACCCACCCAGCCCTGAGG
 ATGAACAACCTCAGAGAAGAGGTGGTTTAGAGCAAGGAAAAAATGAAACCAGTGACCAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003273

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:	<ol style="list-style-type: none">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_003273.2 , NP_003264.2
RefSeq Size:	1599 bp
RefSeq ORF:	1257 bp
Locus ID:	7108
UniProt ID:	O76062
Cytogenetics:	11q13.1
Domains:	ERG4_ERG24
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, Steroid biosynthesis
Gene Summary:	<p>Catalyzes the reduction of the C14-unsaturated bond of lanosterol, as part of the metabolic pathway leading to cholesterol biosynthesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>