

Product datasheet for **SC311445**

ZSWIM7 (NM_001042698) Human Untagged Clone

Product data:

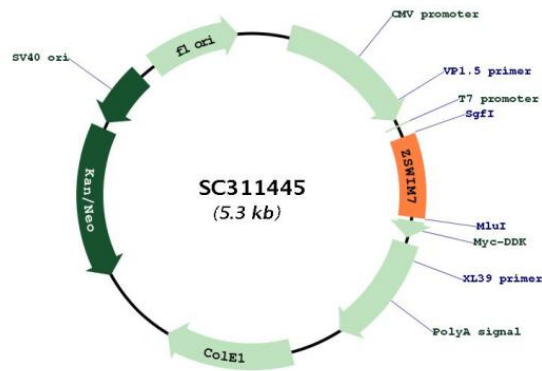
Product Type:	Expression Plasmids
Product Name:	ZSWIM7 (NM_001042698) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZSWIM7
Synonyms:	SWS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311445 representing NM_001042698. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCCGTAGTGTGCCGGCGTGTGGAGGAGCTCCTGAGCGAGATGGCGCGCGGTGCAGGAGAGC
GCGCGAATTCCTGATGAATATCTGTTATCGCTGAAGTTTCTTTGGCTCATCAGCCACCCAGGCCCTTG
GACCTAGTTGATCGACAGTCCATCACCTTAATCTCATCAGGAGTGAAGGCGTGTTCACAGGTCCTT
GGAAGTCCAGTAAAACATACACATGTTGGCTTCTTGTCACTACTGTTTCATGCTCCTGCATTGTCATT
TCAGTGTACGGAAGAGTGACAGCATCCTGTGCAAGCATCTTGGCAGTTTACCTGAGTCAGGTTATG
AGGACCTGTCAGCAGCTAAGTGTCTCTGACAAGCAGTTGACTGACATATTATTGATGGAGAAGAAACAA
GAAGCATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:


ACCN:	NM_001042698
Insert Size:	423 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: [NM_001042698.1](#)

RefSeq Size: 1878 bp

RefSeq ORF: 423 bp

Locus ID: 125150

UniProt ID: [Q19AV6](#)

Cytogenetics: 17p12

MW: 15.4 kDa

Gene Summary: Involved in early stages of the homologous recombination repair (HRR) pathway of double-stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the same protein.