

Product datasheet for **SC305077**

ZSWIM4 (NM_023072) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZSWIM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC305077 representing NM_023072.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAACCCCCCGGCCAAGCGGAGCGGGGCTGCCCCGCGGGACCCGAGGAGCGCGATGCCGGGGCC
GGGGCCGCGCGTGGCCGGGGCCGGCCGAGGCGCTGCTGGACCTCAGCGCCAAGCGGTAGCCGAGAGC
TGGGCCCTTCGAGCAGGTGGAGGAGCGGTTCTCCCGGGTGCCTGAGCCCGTCCAGAAGCGCATCGTGT
TGGTCGTTTCCACGAGTGAACGGGAAATATGTATGTAAGTCTGCTGCGTGGGTTACCCGCCCCAGAGGGC
GAGCAGATGCCCGGGTGCCCTTTACCCGCGGGCTGCACCTGCTCCAGAGCGGGGCGGTGGACCGCGTG
TTGCAAGTGGGATTCCACCTGAGCGGAAACATCCGCGAGCCAGGGAGTCTGGAGAGCCCGAGCGCTC
TACCATGTCTCCATCAGCTTTGATCGCTGCAAGATCAGTCCGTGAGCTGCGGCTGTGACAACCGCGAC
CTCTTCTACTGTGCCACGTGGTGGCCCTGTCCCTGTACCGCATTGCGCACGCCACCAGGTGGAGCTG
CGGCTGCCCATCTCCGAGACGCTCTCCAGATGAACCGGGACAGCTGCAGAAGTTCGTGCAGTACCTC
ATCAGCGCCCATCACACTGAGGTGCTGCCACTGCTCAGCGCTTGGCTGATGAGATCCTCCTGCTGGGC
TCCGAGATCAACTTGGTGAATGGTGCCCGAGACCCACCGCGGCGCAGGAATCGAGGACGCCAACTGC
TGGCAGCTGGACGAGGAGCAGATCCAGGAGCAGGTGAAGCAGCTACTGTCCAATGGCGGCTACTACGGG
GCCAGCCAGCAGCTGCGCTCCATGTTGACGAAGTGGCGGAGATGCTGCGAATGCGGGAATCCAACGGG
GCGCGCATGCTGATTCTCATGACCGAGCAGTTCCTGCGAGACACGCGCTGGCCCTGTGGCGGCAGCAG
GGCGCGGGCATGACGGACAAGTGCCGCGAGCTCTGGGATGAGCTGGGGGCCCTGTGGGTTTTCGTGCTC
CTGAGCCCCCACTGCAACCCAGAGGAAAGGGCAGGCTGGCTCCAGCTACTCAGCAGGTGGGACAAGCTC
GACGTCTGCCACTGGAAGAGGGCACTACTCCTTCGACGGCCCCAGCCTGCAGCCACCATGGCCCCC
GCCCCAGAGCTGCTCCAGAAGGGCTCCACCTGCATCACCAACCCGAAGGATGGGTGGGGCACCCCTG
GACCCCATTTGGCTGCCTCTGCAGGGCGCTCCTGGAGGCTGTGCTGAGGAGGAGACACTTACCTTT
TACCCAGACTCAGGCCCGGAGAAGCGGAAGGTGGCCTACCAGCAGTGCCTGTGCCCGGAGCCCTGGG
GAGTCTACTTGGTGTGGCGCTGGAGGTGGCACTGCTGGGGCTGGGGCAGCAGCGGCCCTGCCGGAG
GGGCTGTACGCCAGGACAAGTGGTGGCAACGAGGAGCAGCTGCTGGCCCTGCTGGAGGAGGTGGAG
TTGGATGAGCGGTTGGTGCAGGTGCTGCGCAAGCAGCGGGGCTGCTGCTGGAAGGGGTCCCTTCAGT
GGCTTTGGGAGGTGCTGTTCCGGGAGAGCGTGCCTATGCACACCTGTGCCCGTACCTGTTACCGCA
CTGCTGCCTCATGACCCGACCTGGCCTATCGCTCGCGCTGCGAGCTATGAGGCTGCCCATACTGGAG
ACAGCATTTCTGCTGGAGAACCTCATCCAGCCCGCTGGACTCCATCATGAGCAACCGCTTCCCCCGC
TGGTTTCATCTTGGCCACTGGAGACCCGCAAGTGTGAAGTGGCTTCCACCATGTTGACGGCCGCCAAG
GGAGACCCCAAGTGGTGCACACGGTACTGGGCTCCATCCAGCAGAATCCACTCTCCGGCCCTGCTC
TTAAGCTGGCGCAGGACGCTGCAAGACAGCCACCCGGTCAAGCGCCACCAGACACACGCTGCTG
GGCATCGACTGGAGCTGGGGCTGCAGGTGATGCGGATGACTCTGAACGTAATGACCTGGCGGGGAGG
GAGATGGTGCCTGGCTGGTCACTGTGCCACAGAGATTGGCCCGCAAGCCCTGATGAATATCATGCAG
AACTGGTATTCTTATTACACCACTGGAGGCGGCTACCATCGTGGCAGTGACGGGACACACACGCC
ACTCTGCTGCGACTGCAGCTGGACACATCGCGGAGGAGGAGCTCTGGGCTGCGCCGACCCCTGGCC
TTGAGTGCAGCTGAAGGACCTCAGAACTGCGCCTTGCTGCTGCTGACCTGTGCGAGAAGAACCAC
TCGGCCCTTCAGGCGGCCCTACCAGATCGTGTGAGCGCGCGGCCGCGGCTGGGCCACGCCACCTC
TTCACTGTGGCCCGCTATATGGAGCACCGCGGGCTGCCGCTCCGGGCTACAAGCTGGCGACGCTGGCC
CTGGCGCAGCTCAGCATCGCCTTCAACCAGGACAGCCACCTGCCGTCAACGAGTGTCTTGGGCTGC
TCTCTCAGCACTCCCTGGGCCGCGACGCTCTCTGCCATCGTCCCCCTCATATTGCGAGCATCCAC
TGTGCCCAATGCTGTCCGATATTCTGCGCCGCTGGACTCTCTCGGCGCCCGGTCTGGGCCCTTAGGG
GCACGCGGGCGCCAAGCCACTGGGTGCCGACCGGGCGCGCTCTGCCAGCTCTGGACGCGGACGTC
ACCGCTACATACCACAGCCACTCGGCCTCAGCAGATCAGCCCGCGGCACTATGGGGATTTATC
GAATTCCTGGGCAAGGCCCGGAGACCTTCTGCTGGCGCCGACGGGACCTCCAGTTCTCAGAGTTC
TTGGAGAACCTCAAACAGACCTACAAGGGCAAGAAGAACTCATGCTTTTGGTGGCGGAGCGTTTTGGT
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_023072

Insert Size:	2970 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_023072.2</u>
RefSeq Size:	4339 bp
RefSeq ORF:	2970 bp
Locus ID:	65249
UniProt ID:	<u>Q9H7M6</u>
Cytogenetics:	19p13.13-p13.12
MW:	110.1 kDa