

Product datasheet for **SC332566**

ZCWPW1 (NM_001258008) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZCWPW1 (NM_001258008) Human Untagged Clone
Tag: Tag Free
Symbol: ZCWPW1
Synonyms: ZCW1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332566 representing NM_001258008.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGACAACGTTGCAGAATAAAGAAGAATGTGGAAAGGGACCAAGAGAATCTTTGCCCCACCTGCA
CAAAAATCTTACAGCCTGTTACCTTGTAGCCCTAACTCCCCTAAGGAGGAGACCCCGGGGATCAGTTCC
CCAGAGACAGAGGCCAGGATAAGCCTGCCAAAGGCCAGTTTAAAGAAGAAAGAGGAAAAAGCAACCATG
AAGAATGTTCCAAGCAGGGAACAGGAGAAAAAAGAAAGGCACAAATCAACAAGCAAGCAGAGAAGAAA
GAAAAGGAAAAATCAAGTCTTACCAATGCAGAATTTGAGGAGATTGTCCAGATTGTTCTGCAGAAGTCC
CTTCAGGAGTGCTTGGGGATGGGATCTGGCCTTGATTTTGCAGAGACTTCTGTGCCAGCCCGTAGTA
TCTACCCAATCAGACAAGGAGCCAGGAATTACTGCTTCTGCTACTGATACTGATAATGCTAATGGAGAG
GAGGTACCACATACTCAAGAGATTTTCAGTGTCTTGGGAAGGTGAAGCTGCCCTGAGATAAAGGACATCT
AAGTTAGGCCAGCCAGATCCTGCACCCTAAGAAGAAATCCAATAGACTCACCTTAAGCAAAAAGAAAG
AAGGAAGCTCAAGATGAGAAGGTGGAGAAAACCAAGGTGGACATGAGCACAGACAGGAAGACCGACTA
AAGAAAACAGTTCAGGATCATTCTCAGATCAGGGACCAGCAAAAAGGAGAGATAAGTGGTTTTGGTCAA
TGTCTGGTCTGGGTCCAGTGTTCCTTCCCAAACGTGGGAAATGGAGCGGCTGTGTGGGAACATTGAC
CCCTCAGTCTCCAGATAATTGGTCTGTGATCAGAACACAGATGTGCAGTATAATCGCTGTGATATT
CCTGAGGAGACCTGGACAGGGCTTGAGAGTGATGTGGCCTATGCCTCCTACATCCAGGATCCATCATC
TGGGCCAAGCAATACGGTTACCCCTGGTGGCCAGGCATGATAGAATCTGATCCTGACTTAGGGGAATAT
TTTCTTTTTACTTCCCATCTTGATTCCCTGCCCTAAGTACCATGTGACGTTTTTTGGAGAAAACAGTT
TCTCGTGCATGGATCCCAGTCAACATGCTAAAGAACTTCCAGGAGCTGTCCCTGGAGCTATCAGTCATG
AAAAAGCGCAGAAATGACTGCAGCCAGAAACTGGGGTGGCCCTGATGATGGCTCAAGAGGCAGAACAG
ATCAGCATT CAGGAACGGTTAACTTGTGGTTTCTGGAGCCGATTCAACGGATCTAACAGTAATGGG
GAAAGAAAAGACTTACAGCTCTGTTTGAACAGCCCAGGATCCTGCTTAGAGAAAAGGAGAAAAGAG
GAAGAGTTGGAAAAGGAGGAAGGAGAGAAAACAGCCCTAAGAAAAATTTAAAGCTCCCCAGAGCAAGG
CCTTGGCAGCCAGCTTTTCAGAGGAAAAGAAGTTAGAACAGTGCCAAAGAACCTGGGCCTATCAGCGT
GTAAAGGGGCTGCCCTCATCTGCGAAAGAAGAGCCAGACACCGGGAACCCCTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001258008
Insert Size: 1575 bp



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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:	<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:	<u>NM_001258008.1</u>
RefSeq Size:	2274 bp
RefSeq ORF:	1575 bp
Locus ID:	55063
UniProt ID:	<u>Q9H0M4</u>
Cytogenetics:	7q22.1
MW:	59.3 kDa
Gene Summary:	<p>Dual histone methylation reader specific for PRDM9-catalyzed histone marks (H3K4me3 and H3K36me3) (PubMed:32744506, PubMed:20826339). Facilitates the repair of PRDM9-induced meiotic double-strand breaks (DSBs) (By similarity). Essential for male fertility and spermatogenesis (By similarity). Required for meiosis prophase I progression in male but not in female germ cells (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon and lacks two 3' coding exons compared to variant 1, that causes a frameshift. The resulting isoform (2) lacks a 1 aa internal segment and has a shorter and distinct C-terminus compared to isoform 1.</p>