

## Product datasheet for **SC310707**

### ZCWPW2 (NM\_001040432) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | ZCWPW2 (NM_001040432) Human Untagged Clone                                                 |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | ZCWPW2                                                                                     |
| Synonyms:                 | ZCW2                                                                                       |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC310707 representing NM_001040432.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
ATGGATAAAGAAAAATTGGATGTTAAGATTGAATATTGTAACATGCAATGGATTCCTCAGTGGAAAAAC  
ATGTATGTAAACAAAGTGTGGGTTCAATGTGAGAATGAAAATTGTTGAAATGGAGATTGTTATCAAGT  
GAGGATTCAGCCAAGGTTGATCATGTAACCATGGTACTGCTTCATGAACACTGATTCAAGATATAAT  
AACTGCTCAATTTCTGAAGAAGACTTCCTGAAGAGTCTCAGCTTCATCAGTGTGGATTTAAGATTGTC  
TATTCACAGCTCCCTCTTGAAGCCTGGTTTTGGTAAAATTACAGAATTGGCCAAGTTGGCCAGGAATA  
CTTTGCCCTGACCGTTTTAAAGGAAATATGTAACCTATGACCCGGATGGAAATGTTGAAGAGTATCAC  
ATAGAATTCCTGGCGATCCCCATTCAAGATCATGGATAAAGGCAACATTCGTTGGACATTATAGTATC  
ACATTAAGCCAGAAAAGTGTAAGAATAAAAAAGAAGTGGTATAAAAGTGCACTACAAGAAGCATGTCTA  
CTCTATGGATATTCTCATGAGCAAAGACTGGAAATGTGCTGCCTATCAAACTACAAGATAAATCCGAA  
ACACATGACAAAGTTGCTGCACTGGTCAAGAAAAGGAAGCAGACTTCTAAAAATAATATTGAAAAGAAG  
AAGCCCAATTTAGAAAAAGGAAAGGAAAGCAATTTTAAATGCTCTTTTGAAGATGTTATTCTGAT  
GATGCCTTATCAAAGGAGAACAGGGTTGCTGTGAGACGGAAGTTTACTAAAAGAGCTGGAGCAAATG  
CTGCAGCAAGCACTGCAACCCACAGCCACACCTGATGAATCAGAAGAAGGACATGGAGAGGAAATAAT  
ATGGGAGAAAAGTTATCTAAATGCAGCCAGAAGCTCCTGCAGGCAGTCTGTTTGAAGCACTATGAA  
GAGGACTATCTTGTAAATTGATGGGATAAAATTAAGCTGGAGAATGTATTGAGGATATAACTAATAAA  
TTTAAAGAAATAGATGCTTTGATGTCTGAGTTT**TAG**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

|                    |              |
|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001040432 |



[View online »](#)

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert Size:</b>           | 1071 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                      |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001040432.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2937 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1071 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 152098                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q504Y3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 3p24.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MW:</b>                    | 41.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | <p>Histone methylation reader which binds to non-methylated (H3K4me0), monomethylated (H3K4me1), dimethylated (H3K4me2) and trimethylated (H3K4me3) 'Lys-4' on histone H3 (PubMed:26933034). The order of binding preference is H3K4me3 &gt; H3K4me2 &gt; H3K4me1 &gt; H3K4me0 (PubMed:26933034).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1). Variants 1 and 2 encode the same isoform (a).</p>                                                                                         |