

## Product datasheet for **SC315695**

### **VWC2L (NM\_001080500) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VWC2L (NM\_001080500) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** VWC2L  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL6  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001080500 edited

```
ATGGCTTTCATATTCATGAAGCTTGCATACTTCTGTTGGTCATCCCTGGATTGGTCACC  
TCTGCTGCTATCAGTCATGAAGACTATCCTGCTGATGAAGGTGACCAGATCTCCAGTAAT  
GACAATCTGATCTTTGATGACTATCGAGGGAAAGGGTGTGTCGATGACAGCGGCTTTGTA  
TACAAGTTGGGAGAACGATTTTTCCCTGGGCATTCCAACGTCCATGTGTCTGTGCTCTA  
GATGGACCTGTTTGCACCAACCAGAATGCCCTAAAATCACCCAAAGTGTACTAAAGTG  
GAACACAATGGATGCTGTCCTGAGTGCAAAGAAGTAAAAAATCTGTGAATATCACGGG  
AAAAATTACAAAATCTTGGAGGAATTTAAGCCCTCTCCATGTGAATGGTGTGCTGTGAG  
CCCAGCAATGAAGTTCAGTGTGTGTAGCAGACTGCGCAGTTCCTGAGTGTGTCAACCA  
GTCTATGAACCAGAACAATGTTGTCCTGTCTGCAAAAATGGTCCAACCTGCTTTGCAGGA  
ACGACGATAATTCCAGCTGGCATTGAAGTAAAAGTGGACGAATGTAACATCTGTCATTGT  
CACAAACGGGGACTGGTGAAGCCTGCTCAGTGTTGCAAACGTGAATGCCAAGGCAAGCAG  
ACTGTGTAG
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|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_001080500 unedited</p> <pre> ACCCCGCCCTTGCCGCAAAGGGCGGTAGGCGGTACGGTGGNGAGTCTATATAAGCAGA GCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAAT TCGGCAGCAGGCTTCTTTACTGTGTTTTGAAATGGGAGGTAGAGAGAATGGATTGCCTTT AATTCATGCCTAAAAAGTATTCCTTTGGGTAATTAAGAGGAAGTCTTTCTTAAACAT ACCTGACCTTTTAGTTTCATTTTGGGCTGTGACCCTACCACCACCTAACCTCCAGAGT GATTAGCCTACCCTCTTGTATTCATGGAAGGAGCTGAGTATATTTAATATTAGGAGC ACATCCAGAAGTCTTTGAAGAGGGGATGGCTTTCATATTCATGAAGCTTGCATACCTC TGTTGGTCATCCCTGGATTGGTCACCTCTGCTGCTATCAGTCATGAAGACTATCCTGCTG ATGAAGGTGACCAGATCTCCAGTAATGACAATCTGATCTTTGATGACTATCGAGGGAAAAG GGTGTGTCGATGACAGCGGCTTTGTATACAAGTTGGGAGAACGATTTTCCCTGGGCATTC CAACTGTCCATGTGTCTGTGCTTAGATGGACCTGTTGCGACCAACCAGAATGCCCTAA ATTACCCAAGTGTACTAAAGTGAACACAATGGATGCTGCTGAGTGCAAAGAAGTAA AAACTTCTGTGAATATCACGGGAAAAATACAAATCCTGGAAGAATTAAGCCCTTTCAT GTGAATGGTGTGCTGTGAGCCACCATGAAAGTACTGTGGTGAACAGACTGCGCAGT TCCTGATGGGTAAACCCATCTATTGAACAGGACAAGGTTGCCCCCTTGCAAAAATGGTC CAAACGGTTTGCAGGAACACCCATAAATCCACCTGGCATTGGAATGAAAAGTGCCAAA </pre> |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;Forward primer walk for NM_001080500 unedited</p> <pre> ACGTCAGGGAAGTGGGCGAAAAGTTTTCTGGCTTCTAAGAAATGTGTCTGTGCTAATG GACCTGTTTGGCACAACCAGAAATGCCCTAAAATTCACCCAAAGTGTACTAAAGTGAAC ACAATGGATGCTGCTGAGTGCAGAAAGTAAAAAAGTCTGTGAATATCACGGGAAAA ATTACAAAATCTTGGAGGAATTTAAGCCCTCTCCATGTGAATGGTGTGCTGTGAGCCCA GCAATGAAGTTCAGTGTGTTGTAGCAGACTGCGCAGTTCCTGAGTGTGCAACCCAGTCT ATGAACCAGAACAATGTTGTCCTGTCTGCAAAAATGGTCCAAACTGCTTTCAGGAACGA CGATAATTCCAGCTGGCATTGAAGTGAAGTGGACGAATGTAACATCTGTATTGTCACA ACGGGGACTGGTGAAGCCTGCTCAGTGTTCGAAACGTGAATGCCAAGGCAAGCAGACTG TGTAGGACAAAATCCACCCAATGATGAGTTCTTAGGAAAGGATGCTATGGCTTCAACAC TGCACATGTTTAAACACAAAACAAAACAAAACAACTCCTGCCAGCTACAACAGGGTACCA GCAAAAATTTCTAGGGTTGACAAAAGTGAATATTTTCTAAGAGGAAATTTCTTTCTCTC TTGCTATATAAAATATATATAGTATATAGCTATCTAAATCGCTTTTGTATTTACCAATGC TTGATGGTGACTTGACGACTGGATTGCTGGAACAAAAGAAAGAAATAGCCTTGACAGGC TCCTTCCCTGTAATGCCTCTGACCTACCAGCTCACTGTCCCTGGTTTACTCATTTTTAC TCTCTGTACATTGTACATGGCATTGTTCTCCTGTAATATTTGTTTTTCACTTTTAGAAG TCTAAGGGCTAAATTTGA </pre>                              |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_001080500   |
| <b>Insert Size:</b>                 | 4700 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>              | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.  |
| <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).   |

**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\\_001080500.1](#), [NP\\_001073969.1](#)

**RefSeq Size:** 1231 bp

**RefSeq ORF:** 669 bp

**Locus ID:** 402117

**UniProt ID:** [B2RUY7](#)

**Cytogenetics:** 2q34-q35

**Gene Summary:** May play a role in neurogenesis. May play a role in bone differentiation and matrix mineralization.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.