

## Product datasheet for **SC308743**

### CYLN2 (CLIP2) (NM\_032421) Human Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | CYLN2 (CLIP2) (NM_032421) Human Untagged Clone  |
| Tag:                 | Tag Free  |
| Symbol:              | CYLN2   |
| Synonyms:            | CLIP; CLIP-115; CYLN2; WBSCR3; WBSCR4; WSCR3; WSCR4   |
| Vector:              | <u>pCMV6 series</u>   |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_032421, the custom clone sequence may differ by one or more nucleotides |

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ATGCAGAAGCCCAGCGGCTGAAGCCCCCGGCGTGGGGGAAGCACTCCAGCCCCATG
GGCCGGACATCTACTGGGTGAGCTTCATCCTCGGCGGCGGTGGCCGTAGCTCCAAGGAA
GGCTCCCCACTGCACAAACAGTCATCTGGACCCTCCTCCTCCCCGGCCGAGCTGCTGCC
CCCCGAGAAGCCGGGCCCAAGGCGGCGGAAGTGGGGGATGACTTCTGGGGGACTTTGTG
GTGGGCGAGCGGGTGTGGGTGAACGGCGTGAAGCCAGGCGTGGTGCAGTATCTGGGAGAG
ACGCAGTTCGCACCGGGCAGTGGGCTGGCGTGGTGTGGACGACCCGGTGGGCAAGAAT
GATGGCGCGGTGGGCGGCGTGCCTACTTCGAGTGCCCGGCCCTCCAGGGTATCTTCACG
CGGCCCTCCAAGCTGACCCGGCAGCCACGGCCGAGGGCTCGGGGAGTGATGCCACTCC
GTGGAGTCGCTGACTGCCAGAACCTGTGATTGATTGCGGCACGGCCACGCCCCCGCTG
ACCAGCCGCGTCAATCCCCTGCGGGAGAGCGTCTCAACAGCTCCGTGAAGACTGGCAAC
GAGTCGGGATCCAACCTCTCAGACAGCGGCTCTGTGAAGCGGGGCGAAAAGGACCTGCGC
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ACAGACTTTGCCAAGGGCGAGTGGTGTGGCGTGGAGCTGGACGAGCCCTTGGGAAGAAT
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ACCAAGCGTATGGCCATGGGTGTGTCAGCACTGACCCACAGTCCCAGCAGTTCCTCCATC
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CTGAAGGAGAAGCAGCAGCACATTGAGCAGCTGCTGGCTGAACGAGACCTGGAACGGGCT
GAGGTGGCCAAGGCCACAAGCCACATCTGCGAGGTGGAGAAGGAGATTGCCCTGCTCAAG
GCACAGCATGAGCAGTATGTTGCAGAAGCCGAGGAGAAGCTGCAGCGAGCCCGGCTGCTC
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AAGGTGGAGGATCTGCAGTTCGCGGTGGAGGAGGAGTCCATCACCAAGGGAGACCTGGAG
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CGAGGTGAAATCGAGGAGCTCCAGCAGTGCCTGTTGCACTCGGGTCCCCACCTCCGGAC
CACCCAGACGCCCGGAGATCCTGCGGCTACGGGAGCGGCTGCTCTCGGCCAGCAAGGAA
CACCAGAGGGAGAGTGGGGTGTGCGGGATAAATACGAGAAGGCCTGAAGGCCTACCAG
GCGGAGGTGGACAAGCTCCGCGCGGCCAACGAGAAGTACGCACAGGAGGTGGCGGGCCTG
AAGGACAAGGTTACAGCAGGCCACCAGCGAGAACATGGGGCTAATGGACAACCTGAAATCC

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AAGCTGGACTCGCTGGCCTCGGACCACCAGAAAGTCCCTGGAGGACCTCAAAGCCACCCTG
AACTCGGGCCAGGCGCCAGCAGAAGGAGATCGGCGAGCTGAAGGCAGTGATGGAGGGC
ATCAAGATGGAGCACCAGCTGGAGCTGGGTAACCTGCAGGCCAAGCATGACCTGGAGACC
GCCATGCACGTGAAGGAGAAGGAGGCCCTGCGAGAGAAGCTGCAGGAGGCCAGGAGGAG
CTGGCTGGGCTGCAGCGGCACTGGCGGGCCAGCTGGAGGTGCAAGCCAGCCAGCACCGG
CTGGAGCTGCAGGAGGCCAGGACCAGCGCCGGATGCCGAGCTGCGTGTGCACGAGCTG
GAAAAACTGGACGTGGAGTACCGGGGCCAGGCGCAGGCTATCGAGTTCTCAAGGAGCAG
ATCTCGCTGGCCGAGAAGAAGATGTTGGACTACGAGCGGCTGCAGCGGCCAGAAGCCAG
GGCAAACAGGAGGTGAGAGTTTGGCGGGAAGCTCCTGGTGGCTGAGAACAGACTCCAG
GCGGTGAGGCCCTGTGCTCCTCCAGCACACCCACATGATTGAGTGAATGACATTTCA
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GACAAAGAGGTGACAGCCTTGACCTCCAGACCGAGATGCTCAGGGCCCAAGTAAGTGCG
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GTCCTCATCAGCCAGGAGCTGCTGCGGAAGGAGCGGAGCCTGAACGAAGTCCGGGTGTTG
CTGCTGGAGGCCAATCGTCACTCCCAGGGCCGAGAGGGACCTGAGCCGTGAGGTACAC
AAGGCTGAGTGGCGGATCAAGGAGCAGAAACTCAAGGATGACATCCGGGGCTGCGTCAA
AAGCTGACCGGGCTGGACAAAGAGAAATCCCTGTGCGATCAGAGGCGCTACTCCCTCATC
GACCCGTCTCGGCGCCGAGCTTCTGCGGCTGCAGCACCAGCTGATGAGCACGGAGGAC
GCCCTGCGGGATGCGCTGGACCAGGCTCAGCAGGTGGAGAAGCTGATGGAGGCCATGAGG
AGCTGCCCTGACAAGGCCAGACCATCGCAATTCGGTTCTGCAAACGGCATCCACCAG
CAGGACAAAGCTCAGAAACAAGAGGACAAGCACTGA
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- Restriction Sites:** Please inquire
- ACCN:** NM\_032421
- 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\\_032421.1](#), [NP\\_115797.1](#)
- RefSeq Size:** 5458 bp
- RefSeq ORF:** 3036 bp
- Locus ID:** 7461

UniProt ID: [Q9UDT6](#)

Cytogenetics: 7q11.23

**Gene Summary:** The protein encoded by this gene belongs to the family of cytoplasmic linker proteins, which have been proposed to mediate the interaction between specific membranous organelles and microtubules. This protein was found to associate with both microtubules and an organelle called the dendritic lamellar body. This gene is hemizygotously deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an exon within the coding region, as compared to variant 1. Isoform 2 encoded by this variant is thus missing an internal aa fragment as compared to isoform 1.