

## Product datasheet for **SC306563**

### CILP2 (NM\_153221) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CILP2 (NM_153221) Human Untagged Clone
Tag:	Tag Free
Symbol:	CILP2
Synonyms:	CLIP-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_153221 edited  
 CGGAGTTGGACCCGAGCAGCCGCGGAGCCCGACCCTCCCTCGGACGCTCTGCCCCGGC  
 CATGGCGTCGCTGCTGCCACTGCTGTCTGTGTCTGTGTGCTGCGCACCTGGCGGGGGC  
 CCGAGACGCCACCCACCGAGGAGCCAATGGCGACTGCACTGGGCCTGGAAGACGGTC  
 CGTGACACCGGCCAGCCCTCACAGCCCTGGAGGACTGGGAAGAGGCCAGCGAGTGGAC  
 GTCCTGGTTCAACGTGGACCACCCCGGAGGCGACGGCGACTTCGAGAGCCTGGCTGCCAT  
 CCGCTTACTACGGCCAGCGCGGTGTGCCCGGACCGCTGGCGCTGGAAGCGCGCAC  
 CACGGACTGGGCCCTGCCGTCCGCCGTGGCGAGCGCGTGCCTGAACCCACGCGCGG  
 CTTCTGGTGCCTCAACCGCGAGCAACCGCGTGGCCGCGCTGCTCCAACCTACCACGTGG  
 CTTCCGCTGCCACTAGAAGCCTCGTGGGGCGCGTGGGGCCCGTGGGGTCCCTGCTCGG  
 GAGCTGTGGGCCAGGCCGTGCTTGCGCCGCCACTGCCAAGCCCCGCTGGGGATGC  
 GTGTCCCAGGCGTCTCTGGAGGCGCAGAAGTGGGTGCGGCTCGGTGTCCAGGGTGCAG  
 CCTTGACACCTGTGAATGCCCGGACCACATCCTCCTGGGCTCGGTGGTACCCCCATCTGG  
 GCAACCACTGCTAGGAGCCAGGGTCTCCCTGCGAGACCAGCCTGGCACTGTGGCCACCAG  
 CGATGCTCACGGAACCTTCCGGGTGCCTGGTGTCTGTGCTGACAGCCGCGCCAACATCAG  
 GGCCAGATGGATGGCTTCTCTGCAGGGGAGGCCAGGCCAGGCCAACGGATCCATCTC  
 TGTGGTACCATCATCCTTGATAAGTTGGAGAAGCCGTACCTGGTGAACACCCTGAGTC  
 CCGAGTGCAGAGGCTGGCCAGAATGTGACTTTCTGCTGCAAAGCCTCCGGGACCCCAT  
 CGGGGCCACCTGGAGCTGCGGGGACTGCGCCAGACCAGGCTGGCATCTACCACTGCAA  
 GGCATGGAATGAGGCGGGTGCCTGCGCTCGGGCACTGCCGGCTCACTGTACTTGGCCC  
 AGGCCAGCCAGCCTGCGACCCCGGCCCGAGAGTACCTGATCAAGCTCCCTGAGGACTG  
 TGGTCAGCCAGGTAGTGGCCCTGCCTACCTGGATGTGGGCTCTGTCCCGACCCGCTG  
 CCCCAGCTGGCAGGCTCCAGCCCCGCTGCGGGGACGCCAGCTCCCGCTGCTGCTGT  
 GCGCCGTCTGGAGAGAAGGGAGATTCACTGCCCTGGCTACGTCTCCAGTGAAGTGGT  
 GGCAGAGTGTGGCTGCCAGAAGTGTCTGCCCCCTCGGGGGCTGGTCCGGGGCCGTGTTGT  
 GGCTGCTGACTCCGGGGAGCCGCTACGCTTCGCCAGGATTCTGCTGGGCCAGGAGCCAT



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CGGCTTACCGCCTACCAGGGCGACTTTACCATTGAGGTGCCGCCCTCCACCCAGCGGCT
GGTGGTGACTTTTGTGGACCCAGCGGTGAGTTCATGGACGCTGTCCGGGTCTTGCCSTT
TGATCCTCGAGGTGCCGGCGTGTACCACGAGGTCAAGGCCATGCGGAAGAAAGCCCGGT
CATTTTACATACCAGCCAGAGCAACACGATCCCCTGGGCGAGCTGGAAGATGAGGCGCC
CCTGGGCGAGCTGGTCTGCCTTCTGGCGCTTCCGACAGGCCGACGGCAAACCCCTACTC
GGGGCTGTGGAGGCCCGGGTACGTTTCGTGGACCCCGAGACCTCACCTCGGCGGCTC
TGCCCCAGTGACCTGCGCTTCGTGGACAGCGACGGCGAGCTGGTCCACTGCGCACCTA
CGGCATGTTCTCCGTGGACCTCCGTGCGCCCGGCTCCGCGGAGCAGCTGCAGGTGGGGCC
GGTGGCCGTGCGGGTGGCCGCCAGCCAGATCCACATGCCAGGCCACGTGGAGGCCCTCAA
GCTGTGGTTCGCTGAACCCCGAGACCGGCTTGTGGGAGGAGAGAGCGGCTTCCGGCGCA
GGGGTCTCGGGCCCCGGGTGCGCCGGGAGGAGCGCTTCTTGGTGGGCAACGTGGA
GATCCGGGAGCGGCGCTGTTCAATCTGGACGTGCCTGAGCGCCCGCTGCTTCGTGAA
GGTGGCGCCTACGCCAACGACAAGTTCACCCACGCGAGCAGGTGGAGGGCGTGGTGGT
CACGCTGGTCAATCTGGAGCCCGCCCGGCTTCTCCGCAACCCCGTGCCTGGGGCCG
CTTTGACAGCGCGGTACCGGCCCAATGGCGCCTGCCTCCCGCCTTCTGCGACGCCGA
CAGGCCAGACGCCTACACCGCCCTGGTACCGCCACCCTGGGCGGCGAGGAGCTGGAGCC
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CATCAACCTCGCCAAGCCAGGCCAGGTGACCCCGCCGAGGCCAATGGGCTGTGTACCC
GTGGCGCAGCCTGCGGGAATGCCAGGGGGCCCCGGTGACTGCCAGCCACTTCCGTTTCG
CAGGGTGGAGGCGGACAAGTACGAGTACAACGTGGTCCCTTCCGAGAGGGCACACCTGC
CTCCTGGACTGGCGATCTCCTGGCCTGGTGGCCCAACCCGAGGAGTTCGGGCTGCTT
CCTCAAGGTGAAGATCCAGGGTCCCAGGAGTATATGGTCCGCTCCACACAACGAGGGGG
CAGCCACCCACGCACCCCGGCCAGCTCTACGGACTTCGGGATGCCCGGAGTGTGCGAGA
CCCCGAGCGTCCGGGCACCTCGGCAGCCTGCGTGGAGTTCAAGTGCAGCGGGATGCTGTT
CGACCAGCGCAGGTGGACAGGACGCTGGTGACCATTATGCCCCAGGGCAGCTGCCGGCG
CGTGGCCGTCAACGGACTCCTTCGGGATTACCTGACCCGGCACCCCCACCGGTGCCCGC
GGAGGACCCAGCTGCCTTCTCCATGCTGGCCCCCTAGACCTCTGGGCCACAATATGG
CGTCTACACTGCTACTGACCAGAGCCACGCTTGGCCAAGGAGATCGCCATTGGCCGCTG
CTTTGATGGTTCCTCTGACGGCTTCTCCAGAGAGATGAAGGCTGATGCCGGCACAGCCGT
CACCTTCCAGTGCCGGGAGCCACCGGCCGACGACCCAGCCTTCCAGAGGCTGTGGA
GTCCCCGGCGACAGCACTTGGTGACATCCGACGGGAGATGAGCGAGGCGGCGCAGGCACA
GGCCCCGGGCTCAGGTCCCTCCGACCCCGGGGTAGGGTCCGGCAGTGACCTGGGCA
GGGGCTCGCTTCCCACCTCCCTCCAGACTCCTTTGACCCAGGAAGTTTTGCCCTCC
TTCTTCTCCAGACAGCCCCCTCCCAGGTGTCTGGGTCCCTTTCCCGCCCTTCCAGA
ACTCAGAGTCAGACAAGAACCAGAGCATCCGATGGTAGAAACACCAGGAAGACAATTGT
TGCTGTGGTATGGAATGGAGTTTGGCGTGACTCTGGGGCCAGCACCCAGGGGACGACG
TTCAACCTAGCCTGAAGGGACCCGCTCCAGCTCAGAAGCCGTCTGACTTCTCGTGC
GTATTTGACCCTGATTTCAATCTTCTACCCTTGGGAGTTCTGGGTTTTGGCACAAGTC
CCCTCTGCCTGTTTGGAGCTCAGTGCTAGACCAGGTCCCCTGCCCGAGCTTTGTTTTTG
GGTTATTTATTGAAACAAAGTGTGGGAGCTGTTGTGGGTGTGAGTGGGGGTGTGGGG
TCCAGGCTGGGCCAGTAAAAGGAGGAAGGGTTCCATGCGGGGGAGGCTCTGGGGCT
GAGGGGAACAATTCTCACGTGTTTGGTCTTAGAGACCTGCCCGGGCGTTGGGCAGGCC
CTCCGGGGGCTGAATTAATAATGCTTTATTTCAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:** Please inquire  
**ACCN:** NM\_153221  
**Insert Size:** 4200 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM\_153221.1.

**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\\_153221.1](#), [NP\\_694953.1](#)

**RefSeq Size:** 3602 bp

**RefSeq ORF:** 3471 bp

**Locus ID:** 148113

**UniProt ID:** [Q8IUL8](#)

**Cytogenetics:** 19p13.11

**Gene Summary:** May play a role in cartilage scaffolding.[UniProtKB/Swiss-Prot Function]