

## Product datasheet for **SC102872**

### PPFIBP2 (NM\_003621) Human Untagged Clone

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | PPFIBP2 (NM_003621) Human Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | PPFIBP2                                  |
| Synonyms:                 | Cclp1                                    |
| Mammalian Cell Selection: | None                                     |
| Vector:                   | <u>pCMV6-XL5</u>                         |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_003621, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCTGATGCTAGTCATGCGCTGGAAGCTGCCCTGGAGCAAATGGACGGGATCATTGCAGGCACTA
AAACAGGTGCAGATCTTAGTGATGGTACTTGTGAGCCTGGACTGGCTTCCCCGGCCTCCTACATGAACCC
CTTCCCGGTGCTCCATCTCATCGAGGACTTGAGGCTGGCCTTGAGATGCTGGAGCTTCCCTCAGGAGAGA
GCAGCCCTCCTGAGCCAGATCCCTGGCCCAACAGCTGCCTACATAAAGGAATGGTTTGAAGAGAGCTTGT
CCCAGGTAACCACACAGTGTCTAGTAATGAAACCTACCAGGAACGCTTGGCACGTCTAGAAGGGGA
TAAGGAGTCCCTCATATTGCAGGTGAGTGTCTCACAGACCAAGTAGAAGCCAGGGAGAAAAGATTGCA
GACCTGGAAGTGTGTCTGGAAGGACACCAGGTGAACTCAATGCTGCTGAAGAGATGCTTCAACAGGAGC
TGCTAAGCCGCACATCTTTGAGACCCAGAAGCTCGATCTGATGACTGAAGTGTCTGAGCTGAAGCTCAA
GCTGGTTGGCATGGAGAAGGAGCAGAGAGAGCAGGAGGAGAAGCAGAGAAAAGCAGAGGAGTTACTGCAA
GAGCTCAGGCACCTCAAATCAAAGTGAAGAGTTGGAATGAAAGGAATCAGTATGAATGGAAGCTAA
AGGCCACTAAGGCTGAAGTCGCCAGCTGCAAGAACAGGTGGCCTGAAAGATGCAGAAATTGAGCGTCT
GCACAGCCAGCTCTCCCGACAGCAGCTCTCCACAGTGAGAGTCACACAGAGAGAGACCAAGAAATTCAA
CGTCTGAAATGGGGATGGAATTTGCTGCTTGCCAATGAAGATAAGGACCGTCGGATAGAGGAGCTTA
CGGGGCTGTTAAACAGTACCGGAAGGTAAGGAGATTGTGATGGTCACTCAAGGCTTCGGAGAGAAC
TCTCTCAATCAATGAAGAAGAACCGGAGGGAGGTTTCAGCAAGTGAACGCTACAATAAGGACCTGAA
GAATTATTTAAACAAGAGATGCCTCCAAGATGTAGCTCTCTACAGTGGGGCCACCTCCATTGCCACAGA
AATCACTGGAAACCAGGGCTCAGAAAAAGCTCTCTGTAGTCTAGAAGACTTGAGAAGTGAATCTGTGGA
TAAGTGTATGGATGGGAACAGCCCTTCCCGGTGTTAGAACCACAGGACAGCCCTTTCTTGGCGGAGCAC
AAATATCCCACTTTACCTGGGAAGCTTTGAGAGCCACGCCAATGGAGAGGCTGCCAAATCTCTCCCA
CCATCTGCCAGCCTGACGCCACGGGGAGCAGCCTGCTGAGGCTGAGAGACAGAAAGTGGCTGGGACGA
CACTGCTGTGGTCAATGACCTCTCATCCACATCATCGGGCACTGAATCAGGTCTCAGTCTCTCTGACA
CCAGATGGTAAACGGAATCCCAAAGGCATTAAGAAGTTCTGGGAAAAATCCGAAGAACTCAGTCAGGAA
ATTTCTACACTGACACGCTGGGGATGGCAGAGTTTCGACGAGGTGGGCTCCGGGCAACCGCAGGGCCAAG
ACTCTCTAGGACCAGGGACTCCAAGGGACAGAAAAGTACGCCAATGCCCTTTGCCAGTGGAGCACA
GAGCGTGTGTGTCATGGCTGGAGGACTTTGGCCTGGCTCAGTATGTGATCTTTGCCAGGCAGTGGGTAT
CTTCTGGCCACACCTTATTGACAGCCACCCTCAGGACATGGAAGGAGCTAGGAATTAAGCAACCACT
CCACAGGAAGAAGCTTGTTTAGCAGTGAAAGCCATCAACACCAAACAGGAGGAGAAGTCTGCACTGCTA
GACCACATTTGGGTGACAAGGTGGCTTGATGATATTGGCTTACCCAGTACAAAGACCAGTTTCATGAAT
CTAGAGTTGACGGACGAATGCTGCAATACCTAACTGTGAACGATTTACTCTTTAAAAAGTCAACAGCCA
ACTACATCATCTCAGCATCAAATGTGCCATTACAGTGTGTCATGTCAACAAGTTCAACCCCCACTGCCTG
CACCGGCGGCCAGCTGATGAGAGTAACCTTTCTCCTTCAGAAAGTTGTACAGTGGTCCAACCACAGGGTGA
TGGAGTGGTTACGATCTGTGGACCTGGCAGAGTATGCACCAATCTTCGAGGGAGTGGAGTCCATGGAGG
CCTCATTATCCTGGAGCCACGCTTCACTGGGGACACCCTGGCTATGCTTCTCAACATCCCCCACAAAAG
ACGCTCCTCAGGCGCCACCTGACCACCAAGTTCAATGCCTTGATTGGTCCGGAGGCTGAACAGGAGAAGC
GAGAGAAAATGGCCTCACCAGCTTACACACCACTGACCACCACAGCCAAAGTCCGGCCAAGGAACTAGG
ATTTTCACACTTCGGAACATAAGAAAAAAGAAGTTTCGATGAATCGACGGACTACATTTGCCCAATGGAG
CCCAGTGACGGTGTGAGTGATGTCACAGGCTTACAGTGGCTACCGGGGCTCAGCCCCCTTGATGCC
CTGAACTGGATGGGCTGGACAGGTGGGACAGATTAGCTGA

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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_003621 unedited</p> <p>TGTTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGGAGG<br/> ATGTCGCTGCTGAGACTGTGGGACAGCTAGGCTCAGAGGGAGTCTGACTTCGGGGCACCC<br/> GGAGTAAGAAGAGGAGGAGGCCAGGCAGGCAAAAGGAGTCATGGCTTCTGATGCTAGTCA<br/> TGCGCTGGAAGCTGCCCTGGAGCAAATGGACGGGATCATTGCAGGCACTAAACAGGTGC<br/> AGATCTTAGTGATGGTACTTGTGAGCCTGGACTGGCTTCCCCGGCCTCCTACATGAACCC<br/> CTTCCCGGTGCTCCATCTCATCGAGGACTTGAGGCTGGCCTTGGAGATGCTGGAGCTTCC<br/> TCAGGAGAGAGCAGCCCTCCTGAGCCAGATCCCTGGCCCAACAGCTGCCTACATAAAGGA<br/> ATGGTTTGAAGAGAGCTTGTCCCANGTAAACCACCACAGTGCTGCTAGTAATGAAACCTA<br/> CCANGAACGCTTGGCACGTCTAGAAGGGGATAGGAGTCCCTCATATTGCANGTGAGTGTC<br/> CTACAGACCAAGTAGAAGCCCAGGGAGGAAAGATTCGAGACCTGAAGTGTGTCTGGAAAG<br/> ACAACCACTGAACTCAATGCTGCTGAAGAGATGCTTCAACANGAGCTGCTAAACCGCAC<br/> ATCTCTTGAGACCCAGAAGCTCGATCTGATGAAGTGAAGTGTCTGAGCTGAAGCTCAANG<br/> CTGTTGGCATGGANAAGGAGCANAGAGAGCANGAGGAGAAGCAGAGAAAGCAGAGGGAGT<br/> ACTGGCAGAGCTCANGCACCTCAAAATCAAGTGGGAAGAGTGGAAATGAAAGGATCAGT<br/> ATGAATGGAAGCTAAAGCCACTAGGNCCTGAAGTCGCCAGCTGCAGAACAGGTGGCCCTGA<br/> AGATGCAGAAATTGAGCGTNTGACAGNCACTTTNCCGGACAGAGTTTCCAAATGAGAGTA<br/> ACAAG</p> |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_003621 unedited</p> <p>CGTCTACTATGACGCGCGCTTTCTAAGATCGATTTTTTTTTTTTTTTTTTTTTTTTTTTT<br/> TTTTTTTTTTTTTTTTTTTTTTGGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT<br/> GTTTTTTTACAAAAAAAAAAAAACCCCTTTGAAGTAAGGGCCAAAAATTTCCCTTGTC<br/> ACTGGGGCAAAATCCCTGTTGCTCATCCCTTTTTTTTCAACCAAACTGGGGCCACGG<br/> GGGGAAGGGACTTGACCTTTTCCCAACTGAATTGGAGGGGGGGCCAAAACTTACCC<br/> CCGGGGGAGTGTCATGGTCTCTGGACCCGCATCAAAATTCATGTGTTTCCCTGGGGCT<br/> GAAAAATAACCTCAAAATTTCTAAACCTGTAAAGTGTCTTTAAAGGTCTTTCCCCCGG<br/> AACCCCTTTTGGGAATGGGCCCCAAAGCCCGGCCCTTAAAAATGCACTCCAATCCC<br/> GGCCACCCTTAGGGTTAAAAAAAACCGGCCAGGGGTACCAATTGCTGGAATATTCTCT<br/> GCGAATCATGCCCCGTGCGGGGGGAGGGGCATTTTTTTGGGGACACCCACAGGTTC<br/> TGGGAACCTCTCAGGGGGCCAAAGGGCAGGGGACAAGGGCATTATCTAATTTGGCCACC<br/> TGGTCCAACCATCCATTTTAAGGGCCTTAAGGGGGCTTAGGCCCGGTAAACCCCTGTAA<br/> ACCCTGGGACTTTACTGAACCCGTCCCTGGGCTCCCTTGGGAAAAATGTACCCCTCAT<br/> TTAATTCAACCTTCTTTTTTTTATTTTCCAAAGTGAAAAATCCATTTTCCCTGGGC<br/> CAGCCTTTGGCTGGGGGGGCACAGGGGTGTAAACTGGGGAAGCCTTTCTTCTCC</p>                                                                                                               |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ACCN:</b>                        | NM_003621                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Insert Size:</b>                 | 3500 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>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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <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_003621.1</a></u> , <u><a href="#">NP_003612.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq Size:</b>           | 3521 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>            | 2631 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>              | 8495                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>            | <u><a href="#">Q8ND30</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>          | 11p15.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Summary:</b>          | <p>This gene encodes a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. The encoded protein is a beta liprin and plays a role in axon guidance and neuronal synapse development by recruiting LAR protein-tyrosine phosphatases to the plasma membrane. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (1), as well as variant 13, encodes isoform 1.</p> |