

## Product datasheet for **RN204936**

### Clip2 (NM\_021997) Rat Untagged Clone

#### Product data:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                             |
| Product Name:             | Clip2 (NM_021997) Rat Untagged Clone                                            |
| Tag:                      | Tag Free                                                                        |
| Symbol:                   | Clip2                                                                           |
| Synonyms:                 | CLIP-115; Cyln2                                                                 |
| Mammalian Cell Selection: | Neomycin                                                                        |
| Vector:                   | pCMV6-Entry (PS100001)                                                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                            |
| Fully Sequenced ORF:      | >RN204936 representing NM_021997<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGAGCCCAAGTGGCTGAAGCCCCCTGGCCGAGGGGGAAGCACTCCAGTCCCGTGGGTAGGCCCT  
CCATCGGGTCTGCCTCATCTTCTGTGGTGGCATCGGCGAGCGGCTCCAAAGAAGGTCTCCCTGCACAA  
GCAGGCGTCGGGCCCTCCTCGGCTGGAGCCACCACTACTGTCTCCGAGAAGCCAGGTCCAAAGGCAGCC  
GAAGTGGGTGATGACTTCTGGGAGACTTCGTGGTGGGCGAGAGGGTGTGGTGAATGGCGTGAAGCCCG  
GCGTGGTGCAGTACCTGGGTGAGACACAGTTTGCAGCCAGGCCAGTGGGCCGGCGTGGTCTTGGATGATCC  
TGTGGGCAAGAACGATGGAGCTGTGGGTGGCGTGCCTACTTCGAGTGCCAGCTCTACAGGGCATCTTC  
ACACGGCCCTCCAAGCTGACCCGCCAGCCCGCAGCTGAGGGCTCCGGCAGTGACGCCCACTCAGTGAAT  
CCCTCACCGCCCAAGACCTGTCCCTGCATTCTGGCACGGCCACGCCCCCACTCACCGGCCGAGTCATCCC  
CCTGCGGGAGAGTGTTCTCAACAGCTCCGTGAAGACGGGCAATGAGTCTGGCTCCAACCTCTCGGACAGT  
GGTCTGTGAAGCGTGGTGACAAGGACCTCCACCTGGGAGACCGTGTGCTGGTGGTGGGACGAAGACCG  
GTGTGGTACGATATGTTGGGAGACGGAAGTGGCAAGGCGAGTGGTGTGGTGTGGAGCTGGACGAGCC  
CCTTGGGAAGAACGATGGGCGAGTGGCAGGCACCAAGTACTTCCAGTGCCCAAGCAAGTTCGGTCTCTTT  
GCACCAATCCACAAGGTATCCGAATTGGCTTCCATCTACAGTCCAGCCAAGGCAAGAAGACCAAGC  
GCATGGCTATGGGTGTCTCAGCCTTGACCCACAGCCCGCAGTCTTCCATCAGCTCTGTGAGCTCTGT  
GGCTCTCTGTGGTGGCCGGCCGAGCGTAGTGGCTGCTCACAGAGACCTCTTACGCTATGCCCGG  
AAGATCTCAGGCACACAGCCCTGCAGGAGGCACTGAAGGAGAAACAGCAGCACATCGAACAGTCTGTGG  
CTGAGCGTGACTTGGAGAGGGCAGAAGTAGCCAAGGCTACCAAGTATCTGTGAGGTGGAGAAGGAAAT  
TGCCCTGCTGAAGGCACAGCATGAGCAGTATGTTGCAGAGCTGAGGAGAAGCTGCAGCGGGCACGGTTG  
CTGGTGGAAAACGTGAGGAAGGAGAAGGTGGATCTGTCCAATCAGCTGGAGGAGGAGAGGAGGAAGGTGG  
AGGACCTGCAGTTCGGGTGGAAGAAGAGTCCATACCAAAGGAGACTTGGAGACCCAGACCCAGCTGGA  
GCACGCGCGCATTGGGGAGCTGGAGCAGAGTCTGCTATTGAGAAGGCGCAGGCCGAGCGGCTGCTCAGA



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GAATTAGCGGATAACAGGCTGACCACAGTGGCTGAGAAGTCTCGGGTGGTGCAGTTAGAAGAAGAGCTGA  
GCCTGCGGCGTGGTGAGATCGAAGAGCTACAACACTGCCTCCTCCAGTCAGGTCCACCACCTGCGGACCA  
CCCAGAGGCCGCTGAGACCCTGCGGCTGCGAGAGCGGCTGCTGTCGGCTAGCAAGGAGCACCAGCGGGAC  
AGCACCCTGCTCCAGGACAAGTATGAGCACATGCTAAAGACGTACCAGACAGAAGTGGACAAGCTTCGGG  
CAGCCAACGAGAAGTACGCTCAGGAAGTGGCAGACCTCAAGGCCAAGTCCAGCAGGCCACCACCGAGAA  
CATGGGGCTCATGGACAAGTGGAAATCCAAGCTGGACTCTCTGGCTCCGATCACCAGAAATCTTTAGAA  
GACCTGAAGGCCACGCTGAAGTCTGGCCAGGCCGCCAGCAGAAGGAGATTGGCGAGCTGAAGGCCCTGG  
TGGAGGGCATCAAAATGGAGACCAACTGGAGTTAGGGAACCTGCAGGCCAAGCATGACTTAGAGACGGC  
CATGCATGGGAAGGAGAAAGAGGGCCTGCGGCAGAAGCTGCAAGAGGCCAGGAGGAGCTGGCCGGGCTG  
CAGCAGCACTGGAGGGCACAGCTGGAGGAGCAGGCCAGCCAGCACCAGGCTGGAGCTACAAGAAGCCAGG  
ACCAATGTCGTGACGCCAGCTACGTGTGAGGAGCTGGAGGGACTGGATGTGGAATACCGCGGCCAGGC  
TCAGGCCATCGAGTTCCTCAAAGAACAGATCTCGCTGGCTGAAAAGAAGATGCTGGATTACGAGATGTTG  
CAGAGGGCGGAAGCCAGAGCAGGCAGGAGGCCGAGCGGCTGCGGAAAAGCTTCTGGTGGCTGAGAATA  
GACTGCAGGCTGTCGAGTCCCTGTGCTCAGCCCAGCACAGCCATGTGATCGAGTCCAATGACCTTTCTGA  
GGAGAAGATTGCGATGAAGGAGACTGTGGAGGGCCTGCAGGACAAGCTGAACAAGAGGGACAAAGAGGTG  
GCAGCCTTGACATCCCAGATGGACATGCTCAGGGCCCAAGTAAGTGTCTCGAGAACAAAGTGCAAAATCAG  
GAGAGAAGAAGATAGACTCTCTCTGAAGGAGAAGAGGGCGGCTGGAGGCAGAGCTGGAGGCCGTGTCTCG  
GAAGACCATGATGCCTCTGGCCAGCTGGTCCACATCAGCCAAGAGTTGCTACGGAAGGAGAGGAGTCTG  
AATGAGCTGAGGGTGTGCTGTTAGAAGCCAATCGGCACTCCCCAGGGCCCGAGAGAGACCTGAGCCGTG  
AGGTACACAAAGCTGAATGGCGAATAAAGGAACAAAAGCTGAAAGATGACATCCGGGGCTGCGTGAAAA  
GCTGACCGGGCTGGACAAGGAGAAGTCCCTGTGCGAGCAGAAACGCTACTCCCTCATTGACCCAGCTTCA  
GCGCCCGAGTTGCTGAGACTGCAACATCAGTTAGTGAGCAGGAGGATGCCCTGCGGGACGCACTGGACC  
AGGCCCAGCAGGTGGAGAGGCTGGTGGAGGCCCTGAGGGGCTGCTCAGATAGGACTCAGACCATCAGCAA  
TTCCGGTTCTGCCAATGGTATCCACCAGCCAGACAAGGCCACAACAGGAGGACAAACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Restriction Sites:     | Sgfl-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                  | NM_021997                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Insert Size:           | 3144 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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).                                                                                                                                                                          |
| 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: | <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> |
| RefSeq:                | <u>NM_021997.2, NP_068837.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq Size:           | 4829 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**RefSeq ORF:** 3144 bp

**Locus ID:** 29264

**Cytogenetics:** 12q12

**Gene Summary:** cytoplasmic linker protein; thought to mediate the interaction between membranous organelles and microtubules; human homolog associated with Williams Syndrome [RGD, Feb 2006]