

## Product datasheet for **SC110279**

### Epsin 2 (EPN2) (NM\_014964) Human Untagged Clone

#### Product data:

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Product Type:             | Expression Plasmids                             |
| Product Name:             | Epsin 2 (EPN2) (NM_014964) Human Untagged Clone |
| Tag:                      | Tag Free                                        |
| Symbol:                   | Epsin 2                                         |
| Synonyms:                 | EHB21                                           |
| Mammalian Cell Selection: | None                                            |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>                |
| E. coli Selection:        | Ampicillin (100 ug/mL)                          |



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_014964, the custom clone sequence may differ by one or more nucleotides

```

ATGACGACTTCGTCTATCAGACGGCAGATGAAAAACATCGTGAACAATTACTCAGAGGCAGAAATCAAAG
TCCGGGAAGCCACCTCCAATGACCCGTGGGGCCCGTCCAGTTCTCTGATGACCGAGATTGCCGACCTGAC
CTACAACGTGGTGGCCTTCTCGGAGATCATGAGCATGGTGTGGAAGCGGCTGAATGACCATGGCAAGAAC
TGGCGGCATGTGTACAAGGCGCTGACCCTGCTGGACTACCTCATCAAGACAGGCTCCGAACGTGTGGCCC
AGCAGTGCCGGGAGAATCTTCGCCATCCAGACCCTGAAGGACTTCCAGTACATTGACCGAGATGGCAA
GGACCAGGGCATCAATGTGCGTGAGAAGTCAAAGCAACTGGTGGCTCTCCTCAAGGACGAGGAACGGTTG
AAGGCTGAGAGGGCCAGGCTCTCAAACCAAAGAGCGCATGGCCAGGTTGCCACTGGCATGGGCAGCA
ACCAGATCACCTTTGGGCGAGGCTCCAGCCAGCCCAACCTCTCCACCAGCCACTCGGAGCAGGAGTATGG
CAAGGCCGGGGCTCCCCGGCTCCTACCATGGCTCGCTGAGGCCTCGCTGTGCCCCAGCACCGCACA
GGGGCCCCGCTGGGTGAGAGTGAAGGCTGCAGCCACTGAGCCAGCGCCACCCCTTCTGCCGCACCTGG
GGCTGGCTCCCCCCAAATGGCGACTGGTCCCAGCCCTGCCTCACTTGTGACCGCGCAGCCCGAGCCAC
CTCCCCGCGAGTGTCTCCGAGCTGGAGCAAGCCCGGCCAGACTAGTGAGAAGAGGAGCTTCAGCTG
CAGCTGGCACTTGCCATGAGCAGAGAAGTGGCTGAGCAGGAAGAAGCGCTCAGGCGGGGTGATGACCTCA
GATTACAGATGGCCCTGGAGAAAGCCGAAGGGACACAGTTAAAATTCCAAAAAGAAAGAGCATGGCTC
TCTCCACAGCAGACTACGCTGTTGGATTTAATGGATGCTCTCCCAGCTCGGGCCCCGGGCCAGAAA
GCAGAGCCCTGGGGCCCGTACGCTCCACTAACCAGACCAACCCCTGGGGCGGGCCAGCGGCTCTGCGA
GTACTTCAGACCCTGGCCATCGTTTGGTACCAAGCCAGCTGCCTCCATTGACCCATGGGGGGTGGCCAC
TGGAGCACCCGTACAATCTGTCCCAAGAACTCGGACCCTGGGAGCTTACAGCAGCCTGCCTCCAGT
GCTGGGAAAAGACTTCTGACGCGTGGGGCGCAGTCTCCACCACCAAGCCCGTGTCTGTCTGGTCTCT
TTGAGCTTTCAGTAATCTGAATGGTACAATTAAGATGACTTTTCTGAATTTGACAACCTTCGGACTTC
AAAAAACACGCCGAATCTGTGACCTCTCTGCCATCCAAAAACAATGGAAGTACCAGCCCTGACCCCTT
GAGTCTCAACCCCTGACTGTGCGCTCAAGCAAGCCAGCAGTGCCTGGAAAAACACCTGAGTCTTCTG
GCCCAACGCGGCCCTGGTGAACCTGGACTCACTGGTGACCAGGCTGCCCCACCAGCCAGTCCCTCAA
CCCTTCTGGCACCAGGTGCTCCGCCACCTCGGCCCTGTTAACCTTTCCAGGTGAACCAGCCCGAG
CCGCTGACTGAACCAGCTTGGGGGAGCCAGTCTGGGGACCAGCACATCTTTGGGCTGGCCAG
GAGTGGAGTCCATGGCTGTGGCTCGATGACCTCCGCGGCCACAGCCAGCTTGGGGGCCACTGGTTC
CTCTGACACCCTGGCCCTGCAATGATGAACATGGTGGGAGTGTGGGTATACCCCATCAGCAGCC
CAGGCCACTGGCACAACCAACCTTCTCTCTAG
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014964 unedited

```

CAAAATTTGTATACGACTCCTATAGGGCGGCCGAATTCGCACGAGGACGCGGGTGG
CGGCGGCTCCGCGGGCTACGGTCGCTCCGCTCTCGAGCGTGCCGGTGGCCGACGG
CGCACCCACGCCGCCCGGAGGAGCAGAGTGTTCATTTCTGTGTCGGGCACAGTGTAA
TGCTGGGTGCTCACTGGTGTGAGGCAGATGAAGTTACCAAATTTGTGGACAGGAGCCT
CATATCAGAGACGTGGACCTCACTGTAGCCTGGTGTGCTTCCAGCTTTTCAATCTGA
GGCTCCAAAGGAGGAAATGACCATTCAGGGATCTTACTCCAGCTTGATTACGGAGACTGA
ACCTTCATAGGGTGCACCTTACCAAGGACAGGAAGTTTCTCTGTTTGAAGGGCTTTAA
ACTTATAACAAAGAAAAATAAAATGACGACTTCGTCTATCAGACGGCAGATGAAAAACAT
CGTGAACAATTAATCAGAGGCAGAAATCAAAGTCCGGGAAGCCACCTCCAATGACCCGTG
GGCCCCGTCCAGTTCTCTGATGACCGAGATTGCCGACCTGACCTACAACGTGGTGGCCTT
CTCGGAGATCATGAGCATGGTGTGGAAGCGGCTGAATGACCATGGCAAGAAGTGGCGGCA
TGTGTACAAGGCCTGACCTGTGGACTACCTCATCAAGACAGGCTCCGAACGTGTGGC
CCAGCAGTGCCGGGAGAATCTTCGCCATCCAGACCCTGAAGGACTTCCAGTACATTGA
CCGAGATGGCAGGGACCAGGGCATCAATGTGCGTGAGAAGTCAAAGCAACTGGTGGCTCT
NCTCAGGNACGAGNAACGNTTGAAGGCTGANAGGNCCAGCTCTCANAACCAAGACGCAT
GGCCCCAGTTGCCACTGGCATGGGCAN
    
```

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3' Read Nucleotide Sequence:</b> | >OriGene 3' read for NM_014964 unedited<br>GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCAGGTTAAAAAGTTTCTTCCAT<br>TTCAGATTTCCATTGTA AACAGAAAGTCCTGTTAATCCCTGCATGCCTTTAATAAAAAA<br>GGAATTAGTTGATAAAAAATTGGTGAGTCACATTCATACATTAAATTTTTTCTTTAACTT<br>TCAGGATGTTGGTATATTCGTAAGAAAAATAGCCTCTCAGGATCTAGCCAAAAAGGCTGA<br>AAGTCAATCAGTTTAGTAATTCACCAAAAACAGGAGCTAAAGAAAAGGAAAAGGCAACTGG<br>AGGCTAGGATTTTTGTTGCTGTTGTTTTTTTTTAAATAAACATCATCATCTATGTGTA<br>ATCAAATCCCATATTTTCTTCTATAAAGAATTGCTTTAGTTTTTCAATAAAGGCATTT<br>TTTTGTCATCCAAACATCTCTTCTTTTAAAAATTTTCTTAGAGTTAAAACCATAAAATAAG<br>AGGATTTAAACCACTAAAATGACACGTGCCAACATCTTCATTCAGCCAGACCTGGTAAAT<br>TCTATCAAACTAGACAGTTAAATAAGAACCACGTTATAAAAAATATTAGCCAAAAAAGA<br>CTATTAGATAATTCTGCAAACTCAAATATGAACTGTAATAACAAAATATGTGCAAAGG<br>TACACAAGCATAGAGCCACGTTGGGGTTATGCTCAGATTAGTTTTAAAGCTCGCTCTAG<br>GGGATTTACTTCAAGAGTTGCCACGGTGGTGGTGTACTTTGCACTCACACGAGTCAA<br>AAGAAAATAAAATATGCACCAACCACTTCCCCAAAAGGTGCTTATGGAGCCCGTCTCC<br>ATCGTGTCCAACCCAGAAGTCTGGGTGTCCTTAGGCCTGGGTTGGGATGCACAAGA<br>AAAGCCACTGTCCAAGTCTGGGCCAGCAAAATCCGGAGACCCTGGGCTGAAGTTAGGGC<br>AGGGCACCTGTGACTCT |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ACCN:</b>                        | NM_014964                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Insert Size:</b>                 | 4110 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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>                      | <a href="#">NM_014964.3</a> , <a href="#">NP_055779.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>                 | 4814 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>                  | 1926 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Locus ID:</b>                    | 22905                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID:</b>                  | <a href="#">O95208</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cytogenetics:</b>                | 17p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Domains:</b>                     | ENTH, UIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Protein Pathways:** Endocytosis

**Gene Summary:** This gene encodes a protein which interacts with clathrin and adaptor-related protein complex 2, alpha 1 subunit. The protein is found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.