

Product datasheet for **SC310244**

Epsin 2 (EPN2) (NM_148921) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epsin 2 (EPN2) (NM_148921) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPN2
Synonyms:	EHB21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC310244 representing NM_148921.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACGACTTCGTCTATCAGACGGCAGATGAAAAACATCGTGAACAATTACTCAGAGGCAGAAATCAAA
GTCCGGGAAGCCACCTCCAATGACCCGTGGGGCCCGTCCAGTTCTCTGATGACCGAGATTGCCGACCTG
ACCTACAACGTGGTGGCCTTCTCGGAGATCATGAGCATGGTGTGGAAGCGGCTGAATGACCATGGCAAG
AACTGGCGGCATGTGTACAAGGCCTGACCCTGCTGGACTACCTCATCAAGACAGGCTCCGAACGTGTG
GCCAGCAGTGCCGGGAGAACATCTTCGCCATCCAGACCCTGAAGGACTTCCAGTACATTGACCGAGAT
GGCAAGGACCAGGGCATCAATGTGCGTGAGAAAGTCAAAGCAACTGGTGGCTCTCCTCAAGGACGAGGAA
CGGTTGAAGGCTGAGAGGGCCAGGCTCTCAAACCAAAGAGCGCATGGCCAGGTTGCCACTGGCATG
GGCAGCAACCAGATCACCTTTGGGCGAGGCTCCAGCCAGCCACCTCTCCACCAGCCACTCGGAGCAG
GAGTATGGCAAGGCCGGGGCTCCCGGCTCCTACCATGGCTCCACCTCCCGGAGTGTCTCCGAG
CTGGAGCAAGCCGGCCAGACTAGTGGAGAAGAGGAGCTTCAGCTGCAGCTGGCACTTCCATGAGC
AGAGAAGTGGCTGAGCAGGAAGAAGCCCTCAGGCGGGGTGATGACCTCAGATTACAGATGGCCCTGGAA
GAAAGCCGAAGGGACACAGTTAAAAATCCAAAAAGAAAGAGCATGGCTCTCTCCACAGCAGACTACG
CTGTTGGATTTAATGGATGCTCTCCCCAGCTCGGGCCCCGCGGCCAGAAAGCAGAGCCCTGGGGCCCG
TCAGCCTCCACTAACCAGACCAACCCCTGGGGCGGGCCAGCGGCTCCTGCGAGTACTTCAGACCCCTGG
CCATCGTTTGGTACCAAGCCAGCTGCCTCCATTGACCCATGGGGGGTGCCACTGGAGCCACCGTACAA
TCTGTCCCAAGAACTCGGACCCCTGGGACGTTTACAGCAGCCTGCCTCCAGTGTGGGAAAAGAGCT
TCTGACGCGTGGGGCGCAGTCTCCACCACCAAGCCGTGTCTGTCTGGGTCTTTGAGCTCTTCAGT
AATCTGAATGGTACAATTAAGATGACTTTTCTGAATTTGACAACCTTCGACTTCAAAAAAACAGCC
GAATCTGTGACCTCTCTGCCATCCAAAAACAATGGAACCTACCAGCCCTGACCCCTTTGAGTCTCAACCC
CTGACTGTGCGCTCAAGCAAGCCAGCAGTGCCTGGAAAAACACCTGAGTCCTTCTGGGCCCAACGCG
GCCCTGGTGAACCTGGACTCACTGGTGACCAGGCTGCCACCAGCCAGTCCCTCAACCCTTTCTG
GCACCAGGTGCTCCCGCCACCTCGGCCCTGTTAACCTTTCCAGGTGAACCAGCCAGCCAGCGCTGACA
CTGAACCAGTTCGGGGGAGCCAGTCTGGGGACCAGCACATCCTTTGGGCTGGCCAGGAGTGGAG
TCCATGGCTGTGGCTCGATGACCTCCGCGGCCACAGCCAGCTCTGGGGCCACTGGTCTCTCTG
ACACCAGTGGCCCTGCAATGATGAACATGGTGGCAGTGTGGGTATACCCCATCAGCAGCCAGGCC
ACTGGCACAACCAACCCTTTCTTCTTAG
AGCGGACCGACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
```

- Restriction Sites:** SgfI-RsrII
- Plasmid Map:** □
- ACCN:** NM_148921
- Insert Size:** 1755 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).
- 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_148921.3](#)

RefSeq Size: 4664 bp

RefSeq ORF: 1755 bp

Locus ID: 22905

UniProt ID: [O95208](#)

Cytogenetics: 17p11.2

Domains: ENTH, UIM

Protein Pathways: Endocytosis

MW: 62.3 kDa

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 (1) lacks an alternate in-frame exon compared to variant 2. The resulting isoform (a) has the same N- and C-termini but is shorter compared to 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.