

## Product datasheet for **SC321861**

### Epsin 1 (EPN1) (NM\_013333) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Epsin 1 (EPN1) (NM_013333) Human Untagged Clone
Tag:	Tag Free
Symbol:	Epsin 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_013333.2  
 CCGCGGCTCCCCTCCCCCGCCGGCTCTCCGCGCCCTTCTGGGCGGCGGGGCGGCGGAG  
 CCGTCGGCGTGCGGCCCTCCTTGCGTTCGTGCGTGCGCCCGTGGCCCGGCGCACGTCCCG  
 CGACACCGAGGCCGAGCGGGGCGAGGGGGCTGACCGCCATGACCCCCAGAGCCCGGCGTG  
 AGGGGGCCGAGATGCGGTGACCTGCCAGCACCTGCCGAGCCTTCGTCCGGGAGTCGCC  
 CATCTCTCCACGCATCGGGGCCCTGTGCCCTTGTCTGCTGCAGCCGGGCACCATGTGCAG  
 CTGTCCTTGAGGCGCCAGATGAAGAACATCGTCCACAACACTCAGAGGCGGAGATCAA  
 GGTTCGAGAGGCCACGACCAATGACCCCTGGGGCCCATCCAGCTCCCTCATGTCAGAGAT  
 TGCCGACCTCACCTACAACGTTGTCGCCTTCTCGGAGATCATGAGCATGATCTGGAAGCG  
 GCTCAATGACCATGGCAAGAAGTGGCGTACGTTTACAAGGCCATGACGCTGATGGAGTA  
 CCTCATCAAGACCGGCTCGGAGCGCGTGTGCGAGCAGTGCAAGGAGAACATGTACGCCGT  
 GCAGACGCTGAAGGACTTCCAGTACGTGGACCGCGACGGCAAGGACCAGGGCGTGAACGT  
 GCGTGAGAAAGCTAAGCAGCTGGTGGCCCTGCTGCGGACGAGGACCGGCTGCGGGAAGA  
 GCGGGCGCACGCGCTCAAGACCAAGGAAAAGCTGGCACAGACCGCCACGCGCTCATCAGC  
 AGCTGTGGGCTCAGGCCCCCTCCGAGGCGGAGCAGGCGTGGCCGACAGCAGCGGGGA  
 GGAGGAGCTGCAGCTCCAGCTGGCCCTGGCCATGAGCAAGGAGGAGGCCACCAGGAGGA  
 GCGGATCCGTCGCGGGGATGACCTGCGGCTGCAGATGGCAATCGAGGAGAGCAAGAGGGA  
 GACTGGGGGAAGGAGGAGTCTCCCTCATGGACCTTGCTGACGCTTTCACGGCCCCAGC  
 TCCTGCCCCGACCACAGACCCCTGGGGGGGCCAGCACCCATGGCTGCTGCCGTCCCCAC  
 GGCTGCCCCACCTCGGACCCCTGGGGCGGCCCCCTGTCCCTCCAGTCTGATCCCTG  
 GGGAGTCCAGCCCCACGCCGGCCTTGGGGACCCCTGGAGGCTGCTGCCCTGCAGG  
 ACCCTCAGTTGACCTTGGGGTGGGACCCAGCCCTGCAGCTGGGGAGGGGCCACGCC  
 TGATCCATGGGGAAGTTCGATGGTGGGTCCCGGTGAGTGGGCCCTCAGCTCCGATCC  
 CTGGACACCGGCCCGCCCTTCTCAGATCCCTGGGGAGGTCACCTGCCAAGCCACGAC  
 CAATGGCACAAACAGCCGGGGATTGACACGAGCCCGACGAGTTCTCTGACTTTGACCG  
 ACTCCGCACGGCACTGCCGACCTCCGGGAGCAGCGCAGGAGAGTGGAGCTGCTGGCAGG  
 AGAGGTGCCGGCCGAAGCCCTGGGGCGTTTGACATGAGTGGGGTCAAGGGATCTCTGGC  
 TGAGGCTGTGGGAGCCCCCACCTGCAGCCACACCAACTCCCACGGCCCCACCCGGAA  
 GACGCCGAGTCAATCCTGGGGCCAATGCAGCCCTGTCGACCTGGACTCGTGGTGGAG  
 CCGGCCGGGCCACGCCCTGGAGCCAAGGCCTCAACCCCTTCTGCCAGGGGAGG  
 CCCAGCCACTGGCCCTTCGTCACCAACCCCTTCCAGCCCGCCTCCCGGACGCTCAC  
 CCTGAACCAGCTCCGTCTCAGTCTGTGCTCCCGTCCCTGGAGCGCCACCCACGTACAT  
 CTCTCCCCTTGGCGGGGGCCCTGGCCTGCCCCCATGATGCCCCCGGGCCCCCGGCCCC  
 CAACACTAATCCCTTCTCCTATAATCCAGGGCGGAAGGGGGCCTGGCTCCATCCGGCTG  
 CCCCATTCCGGCTCCCTGGGAGATCAGTGTGTGAGTGCATGTGAAATGGGGGATCCCCA  
 CCCCAGTGCCCTTCCCCTTCTGGGGCCACTCACACTACACCCCTTCTTCCACC  
 CCACCTCCCCGGAGAGAACTGGACATGGGGCCTGGGGAGGGGAGCTGGCCAGAGGAGGA  
 CCCCTTCCCGTGGCATTAGAAGGGGAGGGGTGGCTGGGGCCCCACCCATTCCCCTC  
 CCTCCAAACTCCCAACCCAGTCAGTGTGAGCCTCCTGTTCCCTCACGCACCCGC  
 TCACGCACCCTCGTGAATCCTTGGTGTGATTTTGGCAACTTTGGGAATAAATGGCAAT  
 TCCACCGGCTTGCAA  
 AAAAAAAAAAAG

**Restriction Sites:** Please inquire

**ACCN:** NM\_013333

**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).

<b>OTI Annotation:</b>	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.
<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_013333.2</a> , <a href="#">NP_037465.2</a>
<b>RefSeq Size:</b>	2430 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	29924
<b>UniProt ID:</b>	<a href="#">Q9Y6I3</a>
<b>Cytogenetics:</b>	19q13.42
<b>Domains:</b>	ENTH, UIM
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	<p>This gene encodes a member of the epsin protein family. The encoded protein binds clathrin and is involved in the endocytosis of clathrin-coated vesicles. Loss of function of this gene is associated with reduced tumor growth and progression in certain cancer types. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (c) is shorter at the N-terminus, compared to isoform a.</p>