

## Product datasheet for **SC118917**

### EPS15 (NM\_001981) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EPS15 (NM_001981) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPS15
Synonyms:	AF-1P; AF1P; MLLT5
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\_001981, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTGCGGCGCCAGCTCTCTCTGACACAGTTATCAAGTGGGAATCCTGTATATGAAAAACTATA
GACAGGTTGATACAGGCAATACTGGAAGGGTGTGGCTTCTGATGCTGCTGCTTTCTGAAAAAATCAGG
GCTTCCAGACTTGATACTTGGAAAGATTTGGGATTTAGCCGACACAGATGGCAAAGGTATCCTGAACAAA
CAAGAATCTTTGTTGCTTGGCTTGTGGCATGTGCCAGAATGGATTGGAAGTTTCACTAAGTAGTT
TGAACCTGGCTGTTCTCCACCAAGATTTATGATACACCAGTAGTCCTTTGCTAATCAGTGGAACTCTGC
AGCTGAGCTCCCATGGGCTGTAAAACCTGAAGATAAGGCCAAATATGATGCAATATTTGATAGTTTAAAGC
CCAGTGAATGGATTTCTGTCTGGTGATAAAGTGAACCAAGTGTGCTCAACTCTAAGTTACCTGTGGATA
TCCTTGGAAAGAGTTTGGGAGTTGAGTGATATTGACCATGATGGAATGCTTGACAGAGATGAGTTGCAGT
TGCCATGTTTTTGGTATACTGTGCACTGGAGAAAGAACCTGTGCCAATGTCCTTGCCTCCAGCCTTGGT
CCACCATCTAAGAGAAAAACGTGGGTTGTATCCCCTGCAGAAAAAGCTAAATATGATGAAATCTTCTGA
AAACTGATAAAGATATGGACGGATTTGTGTCTGGATTGGAGGTCGGTAAATATTTCTTAAAAACAGGTTT
ACCTTCTACCTTACTAGCCCATATATGGTCATTATGCGACACAAAAGGACTGTGGGAAGCTTTCAAAAGGAT
CAGTTTGCCTTGGCTTTTCACTTAATCAGTCAGAAGTTAATCAAGGGCATTGATCCTCCTCACGTTCTTA
CTCCTGAAATGATTCCACCATCAGACAGGGCCAGTTTACAAAAGAACATCATAGGATCAAGTCTCTTTC
AGATTTCTCTGCTATTAAGGAACTAGATACTCTTAACAATGAAATAGTTGACCTACAGAGGGAAAAGAA
AATGTGGAACAGGACCTTAAGGAGAAGGAAGATACTATTAACAGAGGACAAGTGAAGTTTCCAGGATCTTC
AAGATGAAGTTCAAAGGGAGAATACTAATCTGCAAAAACACAGGCCAGAAACAGCAGGTACAGGAACT
CCTTGATGAACTGGATGAGCAGAAAGCCAGCTGGAGGAGCAACTCAAGGAAGTCAGAAAGAAATGTGCT
GAGGAGGCCAACTGATCTTCTCTGAAAGCTGAATTAAGTATGTCAGGAATCGCAAGTCTCCACTTACG
AAGAAGAATTGGCAAAAAGCTAGAGAAGAGCTGAGCCGTCTACAGCAAGAAACAGCAGAATTGGAGGAGAG
TGTAGAGTCAGGAAGGCTCAGTTGGAACCTCTCAGCAGCACCTACAAGATTCACAACAGGAAATAGT
TCAATGCAAAATGAACTGATGGAATGAAAGATTTGGAAAATCATAATAGTCAGTTAAATTTGGTGCAGTA
GCCACACAGCATTCTTGTAAACGGAGCTACAGATTATTGCAAGCCTCAGCACCAGCAGCAGTGAACAGC
CAACCTTAATGAACATGTTGAAGGCCAGAGCAACCTAGAGTCTGAGCCCATACACCAGGAATCTCCAGCA
AGAAGTAGTCCTGAACTACTGCCTTCTGGTGTGACTGATGAAAAATGAGGTGACTACAGCTGTTACTGAAA
AAGTTTGTCTGAACTCGACAATAATAGACATTCAAAGAGGAAGATCCATTTAATGTAGACTCAAGTTC
GCTGACAGGTCCAGTTGCAGATACAACTTGGATTTTTTCCAGTCTGATCCTTTTGTGGCAGTGATCCT
TTCAAGGATGATCCTTTTGGAAAAATCGATCCATTTGGTGGTATCCTTTCAAAGGTTGAGATCCATTTG
CATCAGACTGTTTCTCAGGCAATCTACTGATCCTTTTGGCACTTCAAGCACTGACCCTTTCAGTGCAGC
CAACAATAGCAGTATTACATCGGTAGAAACGTTGAAGCACAATGATCCTTTTGTCTCTGGTGAACAGTT
GTTGCAGCAAGCGATTACGCCACAGACCCTTTGCTTCTGTTTTTGGGAATGAATCATTTGGAGGTGGAT
TTGCTGACTTCAGCACATTGTCAAAGGTCAACAATGAAGATCCTTTTCTGTTTCCAGCCACATCGAGCTCTGT
CAGCAACGTAGTGATTACAAAAATGTATTTGAGGAAACATCGGTCAAAGTGAAGATGAACCCCAAGCA
CTGCCACCAAAGATCGGAACTCCAACAAGACCTGCCCTTACCACCTGGGAAAAGATCCATCAACAAAT
TGGATTCTCCTGATCCCTTAACTGAATGATCCATTTTCCAGCTTCCAGGCAACGATAGCCCAAGAA
AAAAGATCCTGAAATATTTTGTGATCCATTCACTTCTGCTACTACCACTACCAATAAAGAGGCTGATCCA
AGCAATTTTGCACCTTCAAGTGTATCCCTCTGAAGAAGATATGATCGAATGGGCCAAGAGGGAAGTG
AGAGAGAGGAAGAGCAGAGGCTTGGCCGACTAAATCAGCAGGAACAAGAAGACTTAGAACTGGCTATTGC
ACTCAGCAAACTGAGATATCAGAAGCATGA
    
```

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001981 unedited</p> <pre>TCACGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGCTTCCCCT CCCTTGCTGATGGAAACACCTGGCTGCGGCGGCCAGCTCTCTGACACAGTTATCAAG TGGGAATCCTGTATATGAAAAACTATAGACAGGTTGATACAGGCAATACTGGAAGGT GTTGGCTTCTGATGCTGCTGCTTTCCTGAAAAATCAGGGCTTCCAGACTTGATACTTGG AAAGATTTGGGATTTAGCCGACACAGATGGCAAAGGTATCCTGAACAAACAAGAATCTT TGTTGCTTTGCGTCTTGTGGCATGTGCCAGAATGGATTGGAAGTTTCACTAAGTAGTTT GAACCTGGCTGTTCTCCACCAAGATTTTCATGATACCAGTACTCCTTTGCTAATCAGTGG AACCTCTGCAGCTGAGCTCCCATGGGCTGTAAACCTGAAGATAAGGCCAAATATGATGC AATATTTGATAGTTTAAAGCCAGTGAATGGATTCTGTCTGGTGATAAAGTGAAACCAGT GTTGCTCAACCTTAAGTTACCTGTGGATACCTTGAAGAGTTTGGGAGTTGAGTGATA TTGACCATGATGGAATGCTTGACAGAGATGAGTTTGCAGTTGCCATGTTTTTGGTATACT GTGCACGGAGAAAGACCTGTGCCCATGTCTTGCCTTCAGCCTTGTGCCCCATCTAAG AGACAAACGTGGGTTGTATCCCTCGCAAAAAAGCTAATTCGATGAAATCTTTCTGAAAA CTGAAAAAGAATGGGACGGATTTGTGTCTCGATTGGAAGTCCCGGAATTATTCTTGAAA CCAGGTTTACCTTCTACCTTATTAACCCATATTGGGCCTTTAGCCAACCAAGAATGGTG GCACCTCTCAAAGCTAAGCTGGCCTGGCCTT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001981 unedited</p> <pre>TGGCCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGAATTGGATATTTG GAATTTATTTATAGGCTAGGCAATAAGTTACTCAGATTAACACAGATCAATACCACCTG ACTTGTGACCCAGAGAATTCTAATTAGATTTTAGGTGCATTTTCTTTATCTTGGTATT TAATACATCATCTAAGTCAGTAACCGTGTAAACAAAATTAATAAGCAAGTTACAGCTT ACTTCACAGTCTATTTCAAATTCAGCTTGTCCACTAGGTGAGTTTACAGGAGATGGTCT TTTAACATGAAGAGGTCTGATAATCTGGCAGGTCTTCTCTCCCAATTAACAAAAACAAG AGTTTTTTTGGCTAGCTTGACAATTTTATAGGTGAAAAACATGAAGTGAGTAAATAAACTA AACCACAAAGATGGACAAAAAGCAATATGATATAAAACACATCACTTTTTCTATTTGTAT TCAGTGAAAGTTTTTACATTTCAAGTAAATGAGCCTTCATTAACAAAAAACAATA TATATGAAAAATTAAGTACCTTCCAGTTCTAGCTTGTGAAGTTTCTTCTGCAAAAGTA CAAAAATTAACCCACTAAGAACTAAACAGGACAGGGCCACGGCAAGGCAGAAATGGCTGC CATGTTAAGACTTTTGTGCTTATACTGATGGGTATATTTTAGGTGATAAATTTTCTC CACTATCTATCACTTAAATGAACATTTTCTTACAACTTTATTTGTAAGAACTGATTT TTATTAATTAGCANACACTGAGAGGTATCTGTTGATCTAAAATCTCTAAATCAGATA AATCTTTTTAAAATTTTACACATGAGGCTTTATTATTTTAGTTAGGAAAAGATCGAA TCTGAGGCTATAATGGGTCACCTACAGCATCCTTTTTTCATAGTGGAGTNAATCTGGCAA TATTTTTCTTATCTTGNAACCATTAGTGAAGAAATTAAGCCTTTACCACTTG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001981
<b>Insert Size:</b>	4230 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).

**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\\_001981.2](#), [NP\\_001972.1](#)

**RefSeq Size:** 5220 bp

**RefSeq ORF:** 2691 bp

**Locus ID:** 2060

**UniProt ID:** [P42566](#)

**Cytogenetics:** 1p32.3

**Domains:** EH, EFh

**Protein Families:** Druggable Genome

**Protein Pathways:** Endocytosis

**Gene Summary:** This gene encodes a protein that is part of the EGFR pathway. The protein is present at clatherin-coated pits and is involved in receptor-mediated endocytosis of EGF. Notably, this gene is rearranged with the HRX/ALL/MLL gene in acute myelogenous leukemias. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (A). Isoform A mainly localizes to clathrin-coated pits at the plasma membrane.