

## Product datasheet for **SC111497**

### Epithelial Stromal Interaction 1 (EPSTI1) (NM\_033255) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Epithelial Stromal Interaction 1 (EPSTI1) (NM_033255) Human Untagged Clone
Tag:	Tag Free
Symbol:	Epithelial Stromal Interaction 1
Synonyms:	BRESI1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111497 sequence for NM_033255 edited (data generated by NextGen Sequencing)

```
ATGAACACCCGCAATAGAGTGGTGAACCTCCGGGCTCGGCGCCTCCCTGCCTCCCGCCC  
ACCCGGGATCCCCAGGACCTTCTGGGCGCAAGGGGAGCTGAGCCCCGTGGAAGACCAG  
AGAGAGGGTTTGGAGGCAGCCCCAAGGGCCCTTCGCGGGAGAGCGTCGTGCACGCGGGC  
CAGAGGCGCACAAAGTGCATACACCTTGATAGCACCAAATAAAACCGGAGAAATGAGATA  
CAAAGAATTGCGGAGCAGGAGCTGGCCAACCTGGAGAAGTGGAAGGAGCAGAACAGAGCT  
AAACCGGTTACCTGGTGCCAGACGGCTAGGTGGAAGCCAGTCAGAACTGAAGTCAGA  
CAGAAACAACAACTCCAGCTGATGCAATCTAAATAACAAGCAAAAGCTAAAAAGAGAAGAA  
TCTGTAAGAATCAAGAAGGAAGCTGAAGAAGCTGAACTCCAAAAAATGAAGGCAATTCAG  
AGAGAGAAGAGCAATAAACTGGAGGAGAAAAAAGACTTCAAGAAAACCTTAGAAGAGAA  
GCATTTAGAGAGCATCAGCAATACAAAACCGCTGAGTTCTTGAGCAAACTGAACACAGAA  
TCGCCAGACAGAAGTGCCTGTCAAAGTGCTGTTTGTGGCCACAATCCTCAACATGGGCC  
AGAAGCTGGGCTTACAGAGATTCTAAAGGCAGAGAAAAACAGAAAATTGCAAAAGATG  
AAGGATGAACAACATCAAAGAGTGAATTACTGGAAGTAAACCGGAGCAGCAAGAGCAA  
GAAAGAGCCAAAATCCACCAGACTGAACACAGGAGGGTAATAATGCTTTTCTGGACCGA  
CTCCAAGGCAAAAGTCAACCAGGTGGCCTCGAGCAATCTGGAGGCTGTTGGAATATGAAT  
AGCGGTAACAGCTGGGGTATATGA
```

Clone variation with respect to NM\_033255.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_033255 unedited  
 CAAGTTCAAAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGTGAGAC  
 TCGCTAAGCGTCCCAGCCGCATCCCTCCCAGCAGCGACGGCGGCCCGGACCCGCGGGCTG  
 TGAACCATGAACACCCGCAATAGAGTGGTGAATCCGGGCTCGGCGCCTCCCCTGCCTCC  
 CGCCCCACCCGGGATCCCAGGACCCCTTCTGGGCGGCAAGGGGAGCTGAGCCCCGTGGAA  
 GACCAGAGAGAGGGTTTGGAGGCAGCCCTAAGGGCCCTTCGCGGGAGAGCGTCGTGCAC  
 GCGGGCCAGAGGGCGCACAAAGTGCATACACCTTGATAGCACCAAAATATAAACCGGAGAAAT  
 GAGATACAAAGAATTGCGGAGCAGGAGCTGGCCAACCTGGAGAAGTGGAAGGAGCAGAAC  
 AGAGCTAAACCGTTACCTGGTGCCAGACGGCTAGGTGGAAGCCAGTCAGAACTGAA  
 GTCAGACAGAAACAACAACCTCCAGCTGATGCAATCTAAATACAAGCAAAAGCTAAAAAGA  
 GAAGAATCTGTAAGAATCAAGAAGGAAGCTGAAGAAGCTGAACTCAAAAAATGAAGGCA  
 ATTCAGAGAGAGAAGAGCAATANACTGGAGGAGAAAAAAGACTTCAAGAAAACCTTAGA  
 AGAGAAGCATTTAGAGAGCATCAGCAATACAAAACCGCTGAGTTCTTNGAGCAACTGAC  
 ACAGAATCGCCAGACAGAAGTGCCTGTCANAGTGTGTTTGTGGGCCCCACATCCTCAAC  
 ATGGGGCCAGAAGCTGGGCTTACAGAGATTCTCTAAAGGCAGAAAGAAACAGAAAATTTG  
 CAAAGATGAAGGATGAAACACATCAAAGAGTGAATTACTGGGACTGGAACCGCAGCAGCA  
 GAGCCAGAAAGACCCAAATCCACCAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_033255 unedited  
 GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTACAGAAGGA  
 GTTCAAAATTTATTTATAAATTTGTGTAAGAATATAAGACTTTTTCTTTTGTACATA  
 TTTGTACCATAAAGAAAGTAGGGATTAATCTAAAAAGACCCCAAGCTTTCAAACCC  
 TGATCTGAGAATTAGATAAGAATATGTCACCTTAGAAAAGACAAGCCTGTAGCACCCATAGC  
 TCTGATTAACCTGAAAGCATCAAGTGAACCTCTTTTTCTACCTACCAACATCACTCT  
 AATTATACTTCCAATTAGAAAAAATAATGTAGCATTCCCTGGCAGTAGAGTTAAATATG  
 AGTTCAGGAATCAGCTCCTCAAACATGCATAAATGAGGACAAGGAGAAGCCAGTCACTC  
 CTGACTGCACGGTCAAGTGTGTGGGCAGTTGAAATTAAGGTAAAAACAGTGAGGCTGAAC  
 AAAATCACATTAAGAAAAAGCATCTCATGAGGCTTTTCGAGGTGAGTTGATGAAGGCCAG  
 ATAGGAGTCAATATTTTTCATATACCCAGCTGTTACCGCTATTCATATCCAACAGCC  
 TCCAGATTGCTCGAGGCCACCTGGTTGACTTTTGCCTTGGNAGTCGTCCAGAAAAGCATT  
 ATTTACCCTCCTGTGTTCACTGCTGGTGGATTTTGGCTCTTTTGTCTCTGCTGCTGCGG  
 TTTTCAGTTCCAGTAATNCACTCTTTTGTGTTGTCCATCCTCATCTTTGCAATNNTCTG  
 TTTTCTCCTGCCCTTAGAGAATCTCTGGTAGCCAGCTCCTGGCCCCATGTGAGGATTGT  
 TGGCCACAACANACTTTGACAGGGCACTTTGTCTGCGATCCTGGGTGAGTTGCTCAGAC  
 CTACGGTTTGNATGGCTGAGCTTCTAAAGCTCTCTCTAAGTTTCTGAAGCTTTTTCTCCT  
 CAGTTAATGCCTCCTCTTGAATGCTCATTTTGGATCACTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_033255

**Insert Size:**

1600 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).

<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_033255.2</a> , <a href="#">NP_150280.1</a>
<b>RefSeq Size:</b>	1529 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	94240
<b>UniProt ID:</b>	<a href="#">Q96J88</a>
<b>Cytogenetics:</b>	13q14.11
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>The protein encoded by this gene has been shown to promote tumor invasion and metastasis in some invasive cancer cells when overexpressed. Expression of this gene has been shown to be upregulated by direct binding of the Kruppel like factor 8 protein to promoter sequences. The translated protein interacts with the amino terminal region of the valosin containing protein gene product, resulting in the nuclear translocation of the nuclear factor kappa B subunit 1 gene product, and activation of target genes. Overexpression of this gene has been observed in some breast cancers and in some individuals with systemic lupus erythematosus (SLE). [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (2) lacks two alternate coding exons, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note:.</p>