

Product datasheet for **SC300428**

Epithelial Stromal Interaction 1 (EPSTI1) (NM_001002264) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epithelial Stromal Interaction 1 (EPSTI1) (NM_001002264) Human Untagged Clone
Tag:	Tag Free
Symbol:	Epithelial Stromal Interaction 1
Synonyms:	BRESI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001002264 edited
 CGCTAAGCGTCCCAGCCGCATCCCTCCCGCAGCGACGGCGGCCCGGGACCCGCGGGCTGT
 GAACCATGAACACCCGCAATAGAGTGGTGAACCTCCGGGCTCGGCGCCTCCCTGCCTCCC
 GCCCGACCCGGGATCCCCAGGACCTTCTGGGCGGCAAGGGGAGCTGAGCCCCGTGGAAG
 ACCAGAGAGAGGGTTTGGAGGCAGCCCCAAGGGCCCTTCGCGGGAGAGCGTCGTGCACG
 CGGGCCAGAGGCGCACAAAGTGCATACACCTTGATAGCACCAAATATAAACCGGAGAAATG
 AGATACAAAGAATTGCGGAGCAGGAGCTGGCCAACCTGGAGAAGTGGAAGGAGCAGAACA
 GAGCTAAACCGGTTACCTGGTGCCAGACGGCTAGGTGGAAGCCAGTCAGAACTGAAG
 TCAGACAGAAACAACAACCTCCAGCTGATGCAATCTAAATACAAGCAAAAGCTAAAAAGAG
 AAGAATCTGTAAGAATCAAGAAGGAAGCTGAAGAAGCTGAACTCCAAAAATGAAGGCAA
 TTCAGAGAGAGAAGCAATAAACTGGAGGAGAAAAAAGACTTCAAGAAAACTTAGAA
 GAGAAGCATTTAGAGAGCATCAGCAATACAAAACCGCTGAGTTCTTGAGCAAACTGAACA
 CAGAATCGCCAGACAGAAGTGCCTGTCAAAGTGTGTTTGTGGCCACAATCCTCAACAT
 GGAAACTTCTATCCTGCCTAGGGATCACAGCTGGCCAGAAGCTGGGCTTACAGAGATT
 CTCTAAAGGCAGAAGAAAACAGAAAATTGCAAAAGATGAAGGATGAACAACATCAAAGA
 GTGAATTAAGTGAACGCGCAGCAGCAAGAGCAAGAAAGAGCCAAAATCCACCAGA
 CTGAACACAGGAGGGTAAATAATGCTTTTCTGGACCGACTCCAAGGCAAAAGTCAACCAG
 GTGGCCTCGAGCAATCTGGAGGCTGTTGGAATATGAATAGCGGTAAACAGCTGGGGTTCTC
 TATTAGTTTTTTCGAGGCACCTAAGGGTATATGAGAAAATATTGACTCCTATCTGGCCTT
 CATCAACTGACCTCGAAAAGCCTCATGAGATGCTTTTTCTTAATGTGATTTTGTTCAGCC
 TCACTGTTTTTACCTTAATTTCAACTGCCACACACTTGACCGTGCAGTCAGGAGTGACT
 GGCTTCTCCTTGTCTCATTTATGCATGTTTGGAGGAGCTGATTCTGAACATCATATTTA
 ATCTCTACTGCCAGGAAATGCTACATTATTTTTCTAATTGGAAGTATAATTAGAGTGAT
 GTTGGTAGGGTAGAAAAAGAGGGAGTCACTTGATGCTTTTCAGGTTAATCAGAGCTATGGG
 TGCTACAGGCTTGTCTTTCTAAGTGACATATTCTTATCTAATTCTCAGATCAGGTTTTGA
 AAAGCTTTGGGGTCTTTTTAGATTTTAAATCCCTACTTTCTTTATGGTACAAATATGTAC
 AAAAGAAAAGGTCTTATATTCTTTTACACAAATTTATAAATAAATTTTGAACCTCTTCT
 GTAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001002264
- 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).
- 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:	<ol style="list-style-type: none">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:	<u>NM_001002264.1, NP_001002264.1</u>
RefSeq Size:	1594 bp
RefSeq ORF:	1233 bp
Locus ID:	94240
UniProt ID:	<u>Q96J88</u>
Cytogenetics:	13q14.11
Protein Families:	Transmembrane
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note:.</p>