

Product datasheet for **RG205699**

Epithelial Stromal Interaction 1 (EPSTI1) (NM_001002264) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epithelial Stromal Interaction 1 (EPSTI1) (NM_001002264) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epithelial Stromal Interaction 1
Synonyms:	BRESI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205699 representing NM_001002264 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACACCCGCAATAGAGTGGTGAACCTCGGGCTCGGCGCTCCCCTGCCTCCCGCCGACCCGGGATC
CCCAGGACCCCTTCTGGGCGGCAAGGGGAGCTGAGCCCCGTGGAAGACCAGAGAGAGGGTTTGGAGGCAGC
CCCTAAGGGCCCTTCGCGGGAGAGCGTCGTGCACGCGGCCAGAGGCGCACAAAGTGCATACACCTTGATA
GCACCAAAATAAAACCGAGAAATGAGATACAAAGAATTGCGGAGCAGGAGCTGGCCAACCTGGAGAAGT
GGAAGGAGCAGAACAGAGCTAAACCGGTTACCTGGTGCCAGACGGCTAGGTGGAAGCCAGTCAGAAAC
TGAAGTCAGACAGAAACAACAATCCAGCTGATGCAATCTAAATACAAGCAAAAGCTAAAAAGAGAAGAA
TCTGTAAGAATCAAGAAGGAAGCTGAAGAAGCTGAACTCCAAAAAATGAAGGCAATTCAGAGAGAGAAGA
GCAATAAACTGGAGGAGAAAAAAGACTTCAAGAAAACCTTAGAAGAGAAGCATTAGAGAGCATCAGCA
ATACAAAACCGCTGAGTTCTTGAGCAAACCTGAACACAGAATCGCCAGACAGAAAGTGCCTGTCAAAGTGCT
GTTTGTGGCCACAATCCTCAACATGGAACCTCCTATCCTGCCTAGGGATCACAGCTGGCCAGAAAGCT
GGGCTTACAGAGATTCTCTAAAGGCAGAGAAAACAGAAAATTGCAAAAGATGAAGGATGAACAACATCA
AAAGAGTGAATTACTGGAACGAAACGGCAGCAGCAAGAGCAAGAAAGAGCCAAAATCCACCAGACTGAA
CACAGGAGGGTAAATAATGCTTTTCTGGACCGACTCCAAGGCAAAAGTCAACCAGGTGGCCTCGAGCAAT
CTGGAGGCTGTTGGAATATGAATAGCGGTAACAGCTGGGTTCTCTATTAGTTTTTTCGAGGCACCTAAG
GGTATATGAGAAAATATTGACTCCTATCTGGCCTTCATCAACTGACCTCGAAAAGCCTCATGAGATGCTT
TTTCTTAATGTGATTTTGTTCAGCCTCACTGTTTTACCTTAATTTCAACTGCCACACACTTGACCGTG
CAGTCAGGAGTGACTGGCTTCTCCTTGCTCATTATGCATGTTTGGAGGAGCTGATTCCTGAACCTCAT
ATTTAATCTCTACTGCCAGGAAATGCTACATTATTTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205699 representing NM_001002264
 Red=Cloning site Green=Tags(s)

MNTRNRVNSGLGASPARPTRDPQDPSPGRQGE LSPVEDQREGLEAAPKGPSRESVVHAGQRRTSAYTLI
 APNINRRNEIQRIAEQELANLEKWKQNRAPVHLVPRRLGGSQSETEVRQKQQLQLMQSKYKQKLKREE
 SVRIKKEAEEAELQKMKAIQREKSNKLEEKRLQENLRREAFREHQYKTAEFLSKLNTESPDRSACQSA
 VCGPQSSTWKLPIILPRDHSWARSWAYRDSLKAENRKLQKMKDEQHQKSELLELKRQQEQERAKIHQTE
 HRRVNNAFDLRLQGKSQPGGLEQSGGCWNMNSGNSWGSLLVFSRHLRVYEKILTPIWPSSTDLEKPHML
 FLNVILFSLTVFTLISTAHTLDRAVRSWLLLLVLIYACLEELIPELIFNLYCQGNATLFF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001002264

ORF Size: 1230 bp

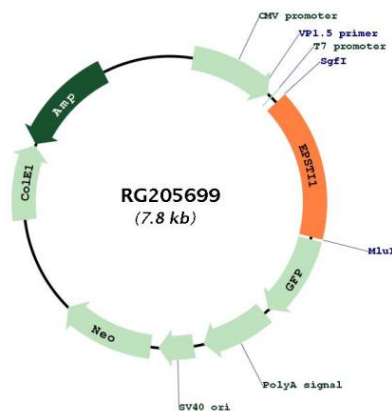
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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_001002264.4](#)
- RefSeq Size:** 1594 bp
- RefSeq ORF:** 1233 bp
- Locus ID:** 94240
- UniProt ID:** [Q96J88](#)
- Cytogenetics:** 13q14.11
- Protein Families:** Transmembrane
- Gene Summary:** 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]

Product images:



Circular map for RG205699