

# Recombinant Full Length Human EPSTI1 Protein, GST-tagged

**Cat. No.** EPSTI1-4414HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Human EPSTI1 full-length ORF ( NP_001002264.1, 1 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 410 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 73.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MNTRNRVVNSGLGASRPSTRDPQDPGRQGELSPVEDQREGLEAAPKGPSRE<br>SVVHAGQRRTSAYTLIAPNINRRNEIQRIAEQELANLEKWKEQNRAKPVHLVPRRLG<br>GSQSETEVRQKQQLQLMQSKYKQKLKREESVRIKKEAEEAELQKMKAIQREKSNKL<br>EEKKRLQENLRREAFREHQYKTAEFSLKLNTESPDRSACQSAVCGPQSSTWKLPI                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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LPRDHSWARSWAYRDSLKAEENRKLQKMKDEQHQKSELLELKRQQEQERAKIHQ  
TEHRRVNNAFLDRLQGKSQPGGLEQSGGCWNNMNSGNSWGSLLVFSRHLRVYEKIL  
TPIWPSSTDLEKPHEMLFLNVILFSLTVFTLISTAHTLDRAVRSDWLLLVLIIYACLEELIP  
ELIFNLVCQGNATLFF

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes** Best use within three months from the date of receipt of this protein.

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [EPSTI1 epithelial stromal interaction 1 \(breast\) \[ Homo sapiens \]](#)

**Official Symbol** [EPSTI1](#)

**Synonyms** EPSTI1; epithelial stromal interaction 1 (breast); epithelial-stromal interaction protein 1; BRESI1; epithelial stromal interaction protein 1; MGC29634;

**Gene ID** [94240](#)

**mRNA Refseq** [NM\\_001002264](#)

**Protein Refseq** [NP\\_001002264](#)

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| MIM | 607441 |
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| UniProt ID | Q96J88 |
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