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# Product datasheet for TP305699

## Epithelial Stromal Interaction 1 (EPSTI1) (NM_001002264) Human Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human epithelial stromal interaction 1 (breast) (EPSTI1), transcript variant 1, 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC205699 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MNTRNRVVNSGLGASPASRPTRDPQDPSGRQGELSPVEDQREGLEAAPKGPSRESVVHAGQRRTSAYTLI<br>APNINRRNEIQRIAEQELANLEKWKEQNRAKPVHLVPRRLGGSQSETEVRQKQQLQLMQSKYKQKLKREE<br>SVRIKKEAEEAELQKMKAIQREKSNKLEEKKRLQENLRREAFREHQQYKTAEFLSKLNTESPDRSACQSA<br>VCGPQSSTWKLPILPRDHSWARSWAYRDSLKAEENRKLQKMKDEQHQKSELLELKRQQQEQERAKIHQTE<br>HRRVNNAFLDRLQGKSQPGGLEQSGGCWNMNSGNSWGSLLVFSRHLRVYEKILTPIWPSSTDLEKPHEML<br>FLNVILFSLTVFTLISTAHTLDRAVRSDWLLLVLIYACLEELIPELIFNLYCQGNATLFF<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Predicted MW:** | 47.3 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Preparation:** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_001002264 |

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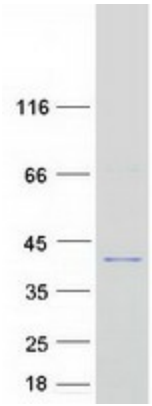
|---|---|
| **Locus ID:** | 94240 |
| **UniProt ID:** | Q96J88 |
| **RefSeq Size:** | 3201 |
| **Cytogenetics:** | 13q14.11 |
| **RefSeq ORF:** | 1230 |
| **Synonyms:** | BRESI1 |
| **Summary:** | The protein encoded by this gene has been shown to promote tumor invasion and metastasis in some invasive 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] |
| **Protein Families:** | Transmembrane |

## Product images:




Coomassie blue staining of purified EPSTI1 protein (Cat# TP305699). The protein was produced from HEK293T cells transfected with EPSTI1 cDNA clone (Cat# [RC205699]) using MegaTran 2.0 (Cat# [TT210002]).