

### Product datasheet for PH305699

#### OriGene Technologies, Inc.

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#### Epithelial Stromal Interaction 1 (EPSTI1) (NM 001002264) Human Mass Spec Standard

**Product data:** 

Product Type: Mass Spec Standards

**Description:** EPSTI1 MS Standard C13 and N15-labeled recombinant protein (NP\_001002264)

Species: Human **HEK293 Expression Host: Expression cDNA Clone** 

or AA Sequence:

RC205699

Predicted MW: 47.5 kDa

>RC205699 protein sequence **Protein Sequence:** 

Red=Cloning site Green=Tags(s)

MNTRNRVVNSGLGASPASRPTRDPQDPSGRQGELSPVEDQREGLEAAPKGPSRESVVHAGQRRTSAYTLI APNINRRNEIQRIAEQELANLEKWKEQNRAKPVHLVPRRLGGSQSETEVRQKQQLQLMQSKYKQKLKREE SVRIKKEAEEAELQKMKAIQREKSNKLEEKKRLQENLRREAFREHQQYKTAEFLSKLNTESPDRSACQSA VCGPQSSTWKLPILPRDHSWARSWAYRDSLKAEENRKLQKMKDEQHQKSELLELKRQQQEQERAKIHQTE HRRVNNAFLDRLQGKSQPGGLEQSGGCWNMNSGNSWGSLLVFSRHLRVYEKILTPIWPSSTDLEKPHEML

FLNVILFSLTVFTLISTAHTLDRAVRSDWLLLVLIYACLEELIPELIFNLYCQGNATLFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Labeling Method:** Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 001002264

RefSeg Size: 3201 RefSeq ORF: 1230 BRESI1 Synonyms: Locus ID: 94240





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 UniProt ID:
 Q96|88

 Cytogenetics:
 13q14.11

**Summary:** The protein encoded by this gene has been shown to promote tumor invasion and metastasis

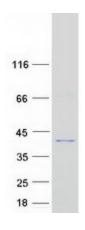
in some invasive cancer cells when overexpressed. Expression of this gene has been shown

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]).