

Recombinant Human BAI1 Protein, His&GST-tagged

Cat. No. BAI1-295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BAI1 Protein (Ala31-Pro350) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala31-Pro350
Description	Angiogenesis is controlled by a local balance between stimulators and inhibitors of new vessel growth and is suppressed under normal physiologic conditions. Angiogenesis has been shown to be essential for growth and metastasis of solid tumors. In order to obtain blood supply for their growth, tumor cells are potentially angiogenic and attract new vessels as results of increased secretion of inducers and decreased production of endogenous negative regulators. BAI1 contains at least one 'functional' p53-binding site within an intron, and its expression has been shown to be induced by wildtype p53. There are two other brain-specific angiogenesis inhibitor genes, designated BAI2 and BAI3 which along with BAI1 have similar tissue specificities and structures, however only BAI1 is transcriptionally regulated by p53. BAI1 is postulated to be a member of the secretin receptor family, an inhibitor of angiogenesis and a growth suppressor of glioblastomas.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 64.1 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Accurate Molecular Mass: 64 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	BAI1 brain-specific angiogenesis inhibitor 1 [Homo sapiens (human)]
Official Symbol	BAI1
Synonyms	BAI1; brain-specific angiogenesis inhibitor 1; GDAIF; FLJ41988
Gene ID	575
mRNA Refseq	NM_001702

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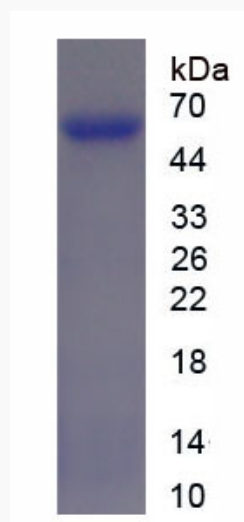
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Protein Refseq NP_001693

MIM 602682

UniProt ID O14514



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