

PRODUCT INFORMATION

Target BAI1

Synonyms ADGRB1; GDAIF

Recombinant human BAI1 Protein with C-terminal Description

Flag and Twin-Strep Tag

Delivery In Stock **Uniprot ID** 014514 **Expression Host HEK293**

Tag C-Flag and Twin-Strep Tag

Molecular

Purity

BAI1(Ala31-Leu926) Flag and Twin-Strep Tag Characterization

Molecular Weight 102.5 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

The protein has a predicted molecular mass of

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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 potently 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 wildtyne p53. There are two other **Background** induced by wildtype p53. There are two other brain-specific angiogenesis inhibitor genes,

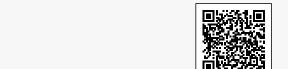
designated BAI2 and BAI3 which along with BAI1 have similar tissue specificities and structures, however only BAI1 is transcriptionally regulated by p53. BAl1 is postulated to be a member of the secretin receptor family, an inhibitor of

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angiogenesis and a growth suppressor of glioblastomas [provided by RefSeq, Jul 2008]

Usage Research use only

Conjugate Unconjugated



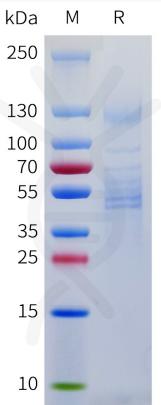


Figure 1. Human BAI1 Protein, Flag and Twin-Strep Tag on SDS-PAGE under reducing condition.

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