Datasheet for ABIN7318208

BAI3 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	BAI3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAI3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human BAI3 Protein (His Tag)
Sequence:	Ala25-Thr880
Characteristics:	Recombinant Human Brain-Specific Angiogenesis Inhibitor 3 is produced by our Mammalian expression system and the target gene encoding Ala25-Thr880 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BAI3
Alternative Name:	BAI3 (BAI3 Products)
Background:	Background: Human Brain-Specific Angiogenesis Inhibitor 3 (BAI3) is a 177 kDa seven-span transmembrane (TM) protein, which is thought to be a member of the secretin receptor family.

Target Details

	It is synthesized by neurons of the CNS and likely is a negative regulator of angiogenesis. BAI3 is 1498 amino acids in size. It contains three distinct regions: an N-terminal extracellular domain (ECD) (aa25-883), a 7-TM segment, and a C-terminal cytoplasmic region. The ECD contains four antiangiogenic TSP type 1 repeat (aa296-508), and one GSP domain (aa 816-867) that is likely used to cleave the ECD from the membrane-bound receptor. There is one altermate splice form that shows a deletion of aa 643-665. Over aa 25-880, human BAI3 shares 98 % aa identity with mouse BAI3. BAI3 has been reported primarily in the brain, but is also localized to lung, testis, and pancreas. It might be involved in angiogenesis inhibition and suppression of glioblastoma. Synonym: Brain-Specific Angiogenesis Inhibitor 3, BAI3, KIAA0550
Molecular Weight:	97.5 kDa
UniProt:	O60242

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 5 % Thehalose, pH 7.2.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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