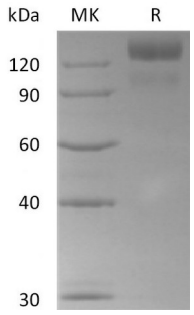
Product Name: Recombinant Human BAI3 (C-6His)
Catalog #: PHH0168

Summary

Name	Brain-specific angiogenesis inhibitor 3/BAI3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	O60242
Host	Human Cells
Species	Human
Predicted Molecular Mass	97.51 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 5% Thehalose, pH 7.2.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Catalog #: PHH0168

Alternative Names	Brain-Specific Angiogenesis Inhibitor 3; BAI3; KIAA0550
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. 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.

Note

For Research Use Only , Not for Diagnostic Use.