

Recombinant Human Afamin/AFM (C-6His)

Catalog Number:PKSH033942



Note: Centrifuge before opening to ensure complete recovery of vial contents.

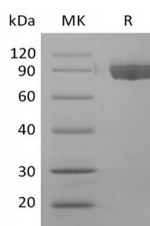
Description

Synonyms	Afamin;AFM;ALB2;ALB2alpha-Alb;ALBA;ALBAalpha-albumin;ALF;Alpha-Alb;Alpha-albumin
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu22-Asn599
Accession	P43652
Calculated Molecular Weight	67.6 kDa
Observed molecular weight	80-100 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Afamin also known as Alpha -Albumin is a secreted monomeric glycoprotein of the Alb/Albumin family of molecules. AFM is known to bind and transport vitamin E family molecules, playing an important role for transporting at the blood-brain-barrier. Afamin has been shown to act as extracellular chaperone for poorly soluble, acylated Wnt proteins, forming a stable, soluble complex with functioning Wnt proteins. AFM also serves as an osteoclast-derived chemoattractant for preosteoblasts, providing a rationale for the observation that bone formation often follows bone resorption. The importance of Afamin in transport of molecules has led to a suggested diagnostic role in various diseases, including pre-eclampsia, ovarian cancer, and both gestational and type-2 diabetes.

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