

Biotinylated Recombinant Human Serum albumin/ALB Protein

Catalog No.: RP02559B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	213	P02768-1

Tags

C-His&Avi

Synonyms

Albumin; ALB; Serum albumin; ANALBA; FDAH; PRO0883; PRO0903; PRO1341

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC

Calculated MW	Observed MW
69.4 kDa	69-70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Human serum albumin (HSA), the most prominent protein in plasma, binds different classes of ligands at multiple sites. HSA provides a depot for many compounds, affects pharmacokinetics of many drugs, holds some ligands in a strained orientation providing their metabolic modification, renders potential toxins harmless transporting them to disposal sites, accounts for most of the antioxidant capacity of human serum, and acts as a NO-carrier.

Basic Information

Description

Biotinylated Recombinant Human Serum Albumin Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Asp25-Leu609.

Bio-Activity

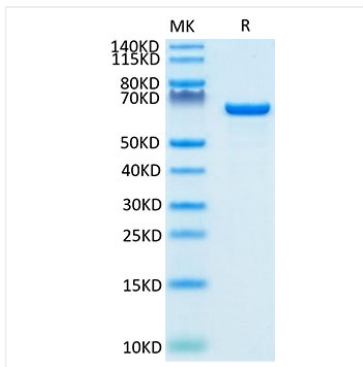
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

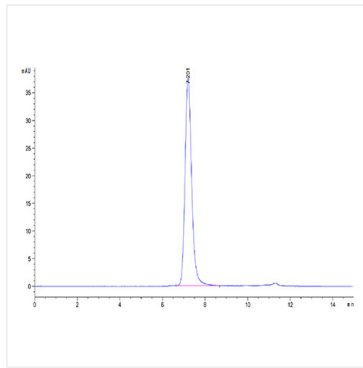
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

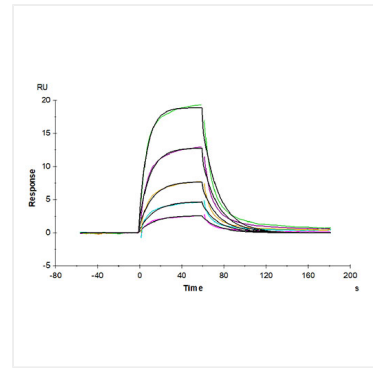
Validation Data



Biotinylated Human Serum Albumin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human Serum Albumin is greater than 95% as determined by SEC-HPLC.



Biotinylated Human Serum Albumin, His-Avi Tag immobilized on CM5 Chip can bind Human FcRn, His Tag with an affinity constant of $1.67 \mu\text{M}$ as determined in SPR assay (Biacore T200).