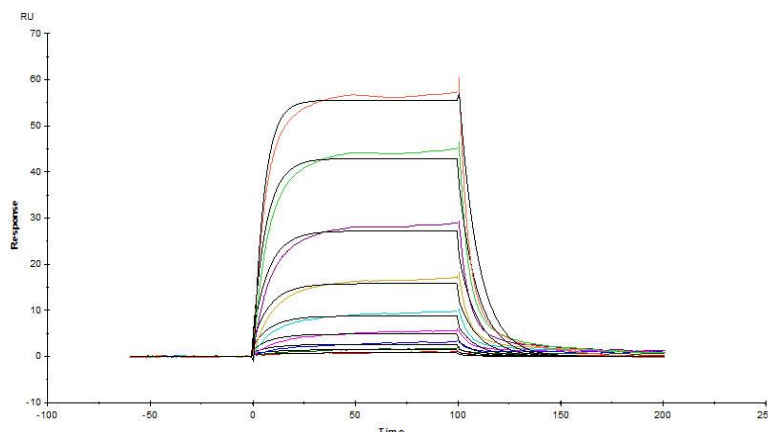
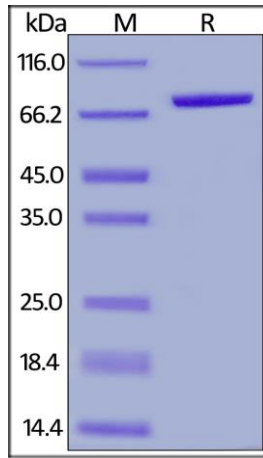


# Human CellExp™ Human Serum Albumin, Human Recombinant

|                             |   |
|-----------------------------|---|
| <b>CATALOG NO:</b>          | P1493-200 200 µg  |
| <b>ALTERNATE NAMES:</b>     | Serum albumin, ALB, Alb   |
| <b>MOL. WT.</b>             | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 67.3 kDa. The protein migrates as 67-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.  |
| <b>SOURCE:</b>              | HEK 293 cells   |
| <b>PURITY:</b>              | >95%  |
| <b>ENDOTOXIN:</b>           | Less than 1.0 EU per µg by the LAL method.  |
| <b>FORM:</b>                | Lyophilized   |
| <b>FORMULATION:</b>         | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.  |
| <b>RECONSTITUTION:</b>      | Reconstitute in sterile deionized water to the desired protein concentration.   |
| <b>SPECIFIC ACTIVITY:</b>   | Immobilized Biotinylated Human FCGRT&B2M Heterodimer Protein, Avitag,His Tag&Strep II Tag (SPR & BLI verified) on SA Chip can bind Human Serum Albumin, His Tag, low endotoxin with an affinity constant of 1.46 µM as determined in a SPR assay  |
| <b>STORAGE CONDITIONS:</b>  | Store at -20°C. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles.   |
| <b>DESCRIPTION:</b>         | serum albumin (SA) is also known as ALB, which is the main protein of plasma and has a good binding capacity for water, Ca <sup>2+</sup> , Na <sup>+</sup> , K <sup>+</sup> , fatty acids, hormones, bilirubin and drugs. The main function of SA is the regulation of the colloidal osmotic pressure of blood. As Major zinc transporter in plasma, SA typically binds about 80% of all plasma zinc. A variant structure of albumin could lead to increased binding of zinc resulting in an asymptomatic augmentation of zinc concentration in the blood. Defects in serum albumin can cause familial dysalbuminemic hyperthyroxinemia which is a form of euthyroid hyperthyroxinemia that is due to increased affinity of serum albumin for T4. It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population. |
| <b>AMINO ACID SEQUENCE:</b> | AA Asp 25 - Leu 609   |



Immobilized Biotinylated Human FCGRT&B2M Heterodimer Protein, Avitag,His Tag & Strep II Tag (SPR & BLI verified) on SA Chip can bind Human Serum Albumin, His Tag, low endotoxin with an affinity constant of 1.46 µM as determined in a SPR assay



Human Serum Albumin, His Tag, low endotoxin on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**RELATED PRODUCTS:**

- Human Serum Albumin (4016)
- Albumin human (HSA) - Protease Free (P1115)
- Albumin, Human Plasma (7546)

***FOR RESEARCH USE ONLY! Not to be used on humans.***