

## Active Recombinant Human ALB protein, His-tagged

**Cat. No.** ALB-174H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ALB protein(Asp 25 - Leu 609), fused with His tag, was expressed in HEK293.                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Asp 25 - Leu 609                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.                                                                                                                                                            |
| <b>Bio-activity</b>     | Loaded Biotinylated Human FCGRT&B2M Heterodimer Protein, His,Avitag on SA Biosensor, can bind Human Serum Albumin, His Tag, low endotoxin with an affinity constant of 0.596 µM as determined in BLI assay (ForteBio Octet Red96e). |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 67.4 kDa. The protein migrates as 67-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                             |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                                                                         |
| <b>Purity</b>           | >95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.                                                                                                                                                                     |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at:                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** ALB albumin [ Homo sapiens ]

**Official Symbol** ALB

**Synonyms**

ALB; albumin; serum albumin; albumin (32 AA); albumin (AA 34); growth-inhibiting protein 20; cell growth inhibiting protein 42; PRO0883; PRO0903; PRO1341; DKFZp779N1935;

**Gene ID** 213

**mRNA Refseq** NM\_000477

**Protein Refseq** NP\_000468

**UniProt ID** P02768

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