

# Active Recombinant Rat ALB protein, His-tagged

**Cat. No.** ALB-0668R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat ALB protein(Glu25-Ala608), fused with His tag, was expressed in HEK293.                                                                                                                                          |
| <b>Species</b>          | Rat                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 25-608 a.a.                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                                           |
| <b>Bio-activity</b>     | Loaded Biotinylated Rat FCGRT&B2M Heterodimer Protein, Avitag,His Tag&Strep II Tag on SA Biosensor, can bind Rat Serum Albumin, His Tag with an affinity constant of 4.59 µM as determined in BLI assay (ForteBio Octet Red96e). |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 67.8 kDa. The protein migrates as 64-68 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                           |
| <b>Proteinlength</b>    | Glu25-Ala608                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                       |
| <b>Purity</b>           | >95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.                                                                                                                                                                  |

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**Storage**

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**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 [ *Rattus norvegicus* ]

**Official Symbol**

ALB

**Synonyms**

ALB; albumin; serum albumin; Alb1; Albza;

**Gene ID**

24186

**mRNA Refseq**

NM\_134326

**Protein Refseq**

NP\_599153

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