

Recombinant Rat Albumin protein (His Tag)

Catalog Number: Eg0935

Basic Information

Species:
Rat**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:<0.1 EU/ μ g protein, LAL method**Source:**

HEK293-derived Rat Albumin protein Glu25-Ala608 (Accession# P02770) with a His tag at the C-terminus.

GeneID:

24186

Accession:

P02770

Predicted Molecular Mass:

67.0 kDa

SDS-PAGE:

60-70 kDa, reducing (R) conditions

Formulation:Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Albumin is a multi-functional protein that participates in the regulation of colloid osmotic pressure, transportation of endogenous ligands and drugs, and regulation of microvascular permeability. Albumin is the most abundant protein in blood plasma. Alterations of level of serum albumin are linked to variety of diseases. Albumin is expressed exclusively by well-differentiated hepatocytes, thus anti-albumin has been used to mark hepatocytes. In addition, glycated serum albumin is also a potential diabetes biomarker. Human (HSA) and rat (RSA) serum albumins share similar characteristics of binding biologically active substances.

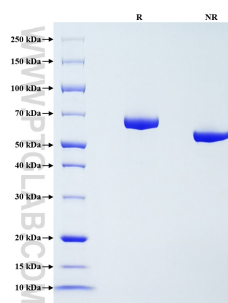
References

1. Wang Z, et al. (2012). J Cell Mol Med. 16(1):118-128.
2. Li J, et al. (2013). Nat Immunol. 14(8):793-803.
3. Kamali M, et al. (2023). Life Sci. 313:121248.

Synonyms

Alb, rat albumin, Serum albumin

Selected Validation Data



Purity of Recombinant Rat Albumin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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