

Product datasheet for **TP725647**

ALB Cynomolgus Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Cynomolgus Albumin (C-His) |
| Species: | Cynomolgus |
| Expression cDNA Clone or AA Sequence: | Asp25-Ala608 |
| Tag: | C-6His |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH7.4 |
| Note: | Recombinant Human Calnexin is produced by our Mammalian expression system and the target gene encoding Asp25-Ala608 is expressed with a 6His tag at the C-terminus |
| Stability: | 12 months from date of despatch |
| Locus ID: | 102130757 |
| UniProt ID: | A2V9Z4 |
| Summary: | Serum albumin (SA) is also known as ALB, which is the main protein of plasma and has a good binding capacity for water, Ca ²⁺ , Na ⁺ , K ⁺ , 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. |



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