

## 32-18259: Human ALB Protein, His Tag

**Uniprot ID :** P02768  
**Alternative Name :** HSA;PRO0883;PRO0903;PRO1341

### Description

**Description :** Recombinant Human ALB with C-terminal 6×His tag

**Background :** This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor.

**Molecular Characterization:** mass of 67.3 kDa after removal of the signal peptide. The apparent molecular mass of ALB-His is approximately 55-70 kDa due to glycosylation.

**Tag :** C-6×His Tag

### Product Info

**Amount :** 50 µg / 100 µg

**Purification :** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

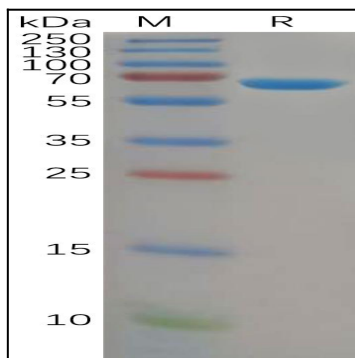


Figure 1. Human ALB Protein, His Tag on SDS-PAGE under reducing condition.

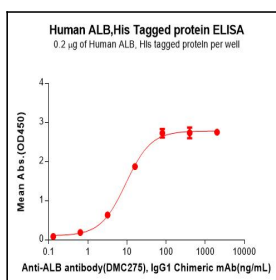


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human ALB Protein, His Tag can bind Anti-ALB antibody (DMC275), IgG1 Chimeric mAb in a linear range of 3.20-16 ng/mL.