

# Human Prealbumin/Transthyretin (His Tag) recombinant protein



Catalog Number: 502712

## General Information

### Protein Construction

A DNA sequence encoding the human TTR (NP\_000362.1) (Met 1-Glu 147) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized recombinant human TTR-His (Cat:502712) at 10 µg/ml (100 µl/well) can bind recombinant Canine RBP4-Fc (Cat:504671) with a linear range of 0.3-10.0 µg/ml.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gly 21

### Molecular Mass

The secreted recombinant human TTR comprises 138 amino acids with a predicted molecular mass of 15.2 kDa. As a result of glycosylation, the apparent molecular mass of rhTTR is approximately 19 and 38 kDa in SDS-PAGE under reducing conditions, corresponding to the monomer and dimer respectively.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

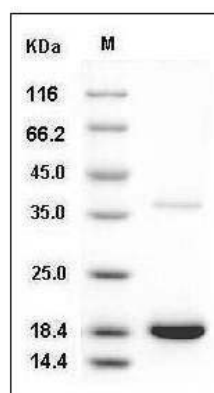
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Prealbumin / Transthyretin / TTR / PALB Protein (His Tag) SDS-PAGE