

# Mouse RBP4 (His Tag) recombinant protein



Catalog Number: 502859

## General Information

### Gene Name Synonym

Plasma retinol-binding protein

### Protein Construction

A DNA sequence encoding the mouse RBP4 (NP\_035385.1) (Met 1-Leu 201) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind alltrans retinoic acid. The binding of retinoic acid results in the quenching of Trp fluorescence in RBP4. The 50% binding concentration (BC50) is  $>0.5 \mu\text{M}$

### Purity

$> 95 \%$  as determined by SDS-PAGE

### Endotoxin

$< 1.0 \text{ EU per } \mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^\circ\text{C}$

### Predicted N terminal

Glu 19

## Molecular Mass

The secreted recombinant mouse RBP4 comprises 194 amino acids and has a predicted molecular mass of 22.8 kDa as estimated in SDS-PAGE under reducing conditions.

## 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

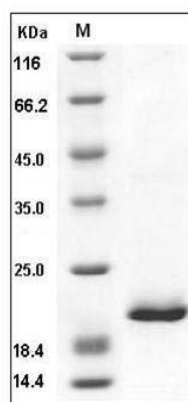
### Storage

Store it under sterile conditions at  $-20^\circ\text{C}$  to  $-80^\circ\text{C}$ . 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



Mouse RBP4 Protein (His Tag) SDS-PAGE