

# Rat RBP4 (His Tag) recombinant protein



Catalog Number: 500133

## General Information

### Gene Name Synonym

Retinol binding protein 4, plasma, isoform CRA\_a

### Protein Construction

A DNA sequence encoding the extracellular domain of rat RBP4 (NP\_037294.1) (Met 1-Leu 201) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### 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

$> 97 \%$  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 recombinant rat RBP4 comprises 194 amino acids and predicts a molecular mass of 22.8 kDa. The apparent molecular mass of the rat RBP4 is approximately 24 kDa 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

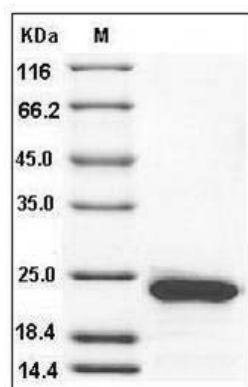
### Storage

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



Rat RBP4 Protein (His Tag) SDS-PAGE