

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°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

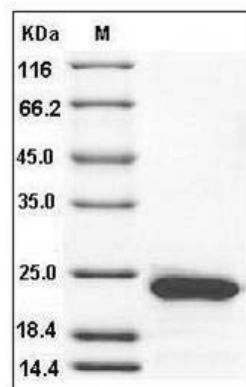
Storage

Store it under sterile conditions at -20°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



Rat RBP4 Protein (His Tag) SDS-PAGE