Human RBP4 (His Tag) recombinant protein

Catalog Number: 500322

General Information

Gene Name Synonym

Plasma retinol-binding protein; Plasma retinol-binding protein(1-182); Plasma retinol-binding protein(1-181); Plasma retinol-binding protein(1-179); Plasma retinol-binding protein(1-176)

Protein Construction

A DNA sequence encoding the pro form of human RBP4 (NP_006735.2) (Met 1-Leu 201) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind all-trans retinoic acid. The binding of retinoic acid results in the quenching of Trp fluorescence in RBP4.
The 50% binding concentration (BC50) is > 1.0 μM.

Purity

> 85 % 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℃

Predicted N terminal

Glu 19

Molecular Mass

The recombinant human RBP4 consists of 194 amino acids after removal of the signal peptide and migrates as an approximately 23 kDa protein as predicted.

Formulation

Lyophilized from sterile PBS, pH 7.2
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

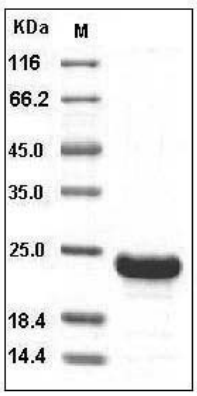
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 RBP4 Protein (His Tag) SDS-PAGE