

Canine RBP4 (Fc Tag) recombinant protein



Catalog Number: 504671

General Information

Protein Construction

A DNA sequence encoding the canine RBP4 (F1PQI4) (Met1-Leu201) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

Organism

Canine

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 $>5 \mu\text{M}$

Purity

$> 94 \%$ 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 canine RBP4 comprises 424 amino acids and has a predicted molecular mass of 48 kDa. The apparent molecular mass of the protein is approximately 53 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

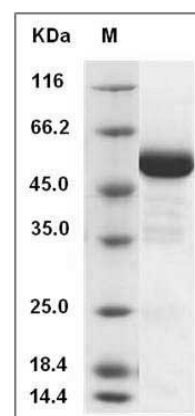
Storage

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



Canine RBP4 Protein (Fc Tag) SDS-PAGE