

Active Recombinant Canine RBP4 protein(Met1-Leu201), hFc-tagged

Cat. No. RBP4-1035C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine RBP4 (F1PQI4) (Met1-Leu201) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Canine
Source	HEK293
ProteinLength	Met1-Leu201
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-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 uM.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 94 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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