

Active Recombinant Rat Rbp4 protein(Met1-Leu201), His-tagged

Cat. No. Rbp4-7427R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat RBP4 (NP_037294.1) (Met 1-Leu 201) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
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 >0.5 µM.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % 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.

GENE INFORMATION

Gene Name	Rbp4 retinol binding protein 4, plasma [<i>Rattus norvegicus</i>]
Official Symbol	Rbp4
Synonyms	RBP4; retinol binding protein 4, plasma; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; RBPA;
Gene ID	25703
mRNA Refseq	NM_013162
Protein Refseq	NP_037294

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