

Recombinant Rat Retinol Binding Protein 4, Plasma, His-tagged

Cat. No. RBP4-214R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat RBP4 protein (Met1-Leu201), fused with a polyhistidine tag at C-terminus, was expressed in <i>Human Cells</i> .
Species	Rat
Source	Human Cells
ProteinLength	1-201 a.a.
Description	Rat retinol-binding protein 4 (RBP4) is the specific carrier for retinol (also known as vitamin A), and is responsible for the conversion of unstable and insoluble retinol in aqueous solution into stable and soluble complex in plasma through their tight interaction.
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
Endotoxin	< 1.0 EU per 1µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Predicted N terminal	Glu 19
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Rbp4 retinol binding protein 4, plasma [Rattus norvegicus]
Synonyms	Rbp4; retinol binding protein 4, plasma; Rbp-4; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol binding protein 4, cellular; RBPA
Gene ID	25703
mRNA Refseq	NM_013162
Protein Refseq	NP_037294
UniProt ID	P04916
Chromosome Location	1q53
Function	protein binding; binding; retinol binding; retinol transporter activity; transporter activity

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