

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rat RBP4 protein (Met1-Leu201), fused with a polyhistidine tag at C-terminus, was expressed in <i>Human Cells</i> .
<b>Species</b>	Rat
<b>Source</b>	Human Cells
<b>ProteinLength</b>	1-201 a.a.
<b>Description</b>	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.
<b>Molecular Mass</b>	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
<b>Formulation</b>	Lyophilized from sterile PBS , pH 7.4
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein as determined by the LAL method
<b>Purity</b>	> 97 % as determined by SDS-PAGE

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<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C
<b>Predicted N terminal</b>	Glu 19
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">Rbp4 retinol binding protein 4, plasma [Rattus norvegicus]</a>
<b>Synonyms</b>	Rbp4; retinol binding protein 4, plasma; Rbp-4; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol binding protein 4, cellular; RBPA
<b>Gene ID</b>	<a href="#">25703</a>
<b>mRNA Refseq</b>	<a href="#">NM_013162</a>
<b>Protein Refseq</b>	<a href="#">NP_037294</a>
<b>UniProt ID</b>	<a href="#">P04916</a>
<b>Chromosome Location</b>	1q53
<b>Function</b>	protein binding; binding; retinol binding; retinol transporter activity; transporter activity

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