

Recombinant Rat Rbp4, His-tagged

Cat. No. Rbp4-448R Lot. No. (See product label)

SPECIFICATION

Product Overview	Rat RBP4 (aa 19-201) is fused at the C-terminus to a His-tag.
Species	Rat
Source	E.coli
ProteinLength	19-201 a.a.
Description	Retinol binding protein 4 (RBP4; RBP) is a 21kDa secreted protein, a member of the lipocalin family and is known as the primary transporter of retinol (vitamin A) to tissues. A recent report revealed RBP4 as an adipokine linking glucose transporter 4 (GLUT4) suppression in adipose tissue to insulin. Elevated human and mouse serum RBP4 levels are associated with insulin resistance and its severity, obesity, and certain components of metabolic syndrome. Furthermore, human serum RBP4 levels are closely related to renal function.
Form	Lyophilized from 0.2µm-filtered solution in 55mM TRIS-Cl, pH 8.2, containing 150mM NaCl.
Molecular Mass	~23kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.

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Storage Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name Rbp4 retinol binding protein 4, plasma [*Rattus norvegicus*]

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](#)

Pathway Retinol metabolism, organism-specific biosystem;

Function binding; retinal binding; retinol binding; retinol binding; retinol transporter activity; retinol transporter activity; transporter activity;

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