

Recombinant Mouse Rbp4, His-tagged

Cat. No. Rbp4-446M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse RBP4 (aa 19-201) is fused at the C-terminus to a His-tag.
Species	Mouse
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	Liquid. 0.2µm-filtered solution in 55mM TRIS-Cl, pH 8.2, containing 150mM NaCl.
Molecular Mass	~20kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare

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aliquots and freeze in liquid nitrogen. Avoid freeze/thaw cycles.

Concentration 1mg/ml

GENE INFORMATION

Gene Name Rbp4 retinol binding protein 4, plasma [*Mus musculus*]

Official Symbol Rbp4

Synonyms RBP4; retinol binding protein 4, plasma; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol binding protein 4, cellular; Rbp-4;

Gene ID 19662

mRNA Refseq NM_001159487

Protein Refseq NP_001152959

Pathway Retinol metabolism, organism-specific biosystem;

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

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