

**Human CellExp RBP4, rat recombinant protein**  
**Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP**  
**Catalog # PBV11175r**

## Specification

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### Human CellExp RBP4, rat recombinant protein - Product info

Primary Accession	<a href="#">P04916</a>
Calculated MW	~23.0 kDa (monomer). Rat RBP4 (aa 19-201) is fused at the N-terminus to a FLAG®-tag. KDa

### Human CellExp RBP4, rat recombinant protein - Additional Info

Gene ID	25703
Gene Symbol	RBP4
<b>Other Names</b>	
Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP	
Gene Source	Rat
Source	HEK293 cells
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
<b>Target/Specificity</b>	
RBP4	

#### Format

Liquid

#### Storage

-20°C; 0.2 µm-filtered solution in PBS, pH 7.2.

### Human CellExp RBP4, rat recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Human CellExp RBP4, rat recombinant protein - Images

### Human CellExp RBP4, rat recombinant protein - Background

Retinol binding protein 4 (RBP4; RBP) is a 21 kDa 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.

#### **Human CellExp RBP4, rat recombinant protein - References**

Laurent B.C.,et al.J. Biol. Chem. 260:11476-11480(1985).  
Sundelin J.,et al.J. Biol. Chem. 260:6472-6480(1985).