

Human CellExp RBP4, human recombinant protein
Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP
Catalog # PBV11172r

Specification

Human CellExp RBP4, human recombinant protein - Product info

Primary Accession	P02753
Calculated MW	~23.0 kDa (monomer). Human RBP4 (aa 19-201) is fused at the N-terminus to a FLAG®-tag. KDa

Human CellExp RBP4, human recombinant protein - Additional Info

Gene ID	5950
Gene Symbol	RBP4
Other Names	
Retinol Binding Protein 4, Plasma retinol-binding protein, PRBP, RBP	
Gene Source	Human
Source	HEK293 cells
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
RBP4	

Format
Liquid

Storage
-20°C; 0.5 mg/ml of 0.2 µm-filtered solution in PBS, pH 7.2.

Human CellExp RBP4, human 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, human recombinant protein - Images

Human CellExp RBP4, human 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, human recombinant protein - References

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Deloukas P.,et al.Nature 429:375-381(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
D'Onofrio C.,et al.EMBO J. 4:1981-1989(1985).
Rask L.,et al.Ups. J. Med. Sci. 92:115-146(1987).