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## Datasheet for ABIN7319379

### RBP4 Protein

#### Overview

Quantity:	50 µg
Target:	RBP4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### Product Details

Purpose:	Recombinant Human RBP4 Protein
Sequence:	Glu19-Leu201
Characteristics:	Recombinant Human Retinol-Binding Protein 4 is produced by our E.coli expression system and the target gene encoding Glu19-Leu201 is expressed.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	RBP4
Alternative Name:	RBP4 ( <a href="#">RBP4 Products</a> )
Background:	Background: Retinol Binding Protein 4 (RBP4) is a member of the Lipocalin family and in the blood. RBP4 is the specific vector for retinol. RBP4 is expressed and secreted by adipose tissue, and is associated with insulin resistance. RBP4 delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin to prevents

## Target Details

its loss by filtration through the kidney glomeruli. Defects in RBP4 cause retinol-binding protein deficiency and can cause night vision problems.

Synonym: RDCCAS, Retinol-Binding Protein 4, Plasma Retinol-Binding Protein, PRBP, RBP, RBP4

Molecular Weight: 21.2 kDa

NCBI Accession: [NP\\_006735](#)

Pathways: [Regulatory RNA Pathways](#), [Positive Regulation of Peptide Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 50 mM TrisHCl, 10 mM CaCl<sub>2</sub>, 150 mM NaCl, pH 7.5 .

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.