

## Recombinant Human RBP4, FLAG-tagged

Cat. No. RBP4-30009TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human RBP4 fused at the N terminus to a DDDDK tag; mwt: 23 kDa.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	183 amino acids
<b>Description</b>	This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells.
<b>Conjugation</b>	FLAG
<b>Molecular Weight</b>	23.000kDa
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: PBS, pH 7.2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

**Sequence Similarities** Belongs to the calycin superfamily. Lipocalin family.

## GENE INFORMATION

**Gene Name** RBP4 retinol binding protein 4, plasma [ Homo sapiens ]

**Official Symbol** RBP4

**Synonyms** RBP4; retinol binding protein 4, plasma; retinol-binding protein 4;

**Gene ID** 5950

**mRNA Refseq** NM\_006744

**Protein Refseq** NP\_006735

**Uniprot ID** P02753

**Chromosome Location** 10q23-q24

**Pathway** Vitamin A and carotenoid metabolism, organism-specific biosystem;

**Function** protein binding; retinal binding; retinol binding; retinol transporter activity; transporter activity;

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