Recombinant Human RBP4, FLAG-tagged

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

SPECIFICATION

Product Overview	Recombinant full length Human RBP4 fused at the N terminus to a DDDDK tag; mwt: 23 kDa.
Species	Human
Source	HEK293
ProteinLength	183 amino acids
Description	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.
Conjugation	FLAG
Molecular Weight	23.000kDa
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS, pH 7.2

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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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