

Recombinant Human RBP4 Protein, C-8His tagged, Biotinylated

Cat. No. RBP4-46H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Retinol-Binding Protein 4 is produced by Human 293 Cells. The target gene encoding E19-L201 is expressed with a 8His tag at the C terminus.
Species	Human
Source	HEK293
ProteinLength	E19-L201
Description	Retinol-binding protein 4 (RBP4) is a prototypic member of the lipocalin superfamily. RBP4 acts as a carrier for retinol (vitamin A), can stabilize the unstable and insoluble retinol in aqueous solution through their tight interaction. RBP4 is secreted from the liver, and in turn delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP4-retinol complex interacts with transthyretin (TTR), which is crucial for preventing RBP4 excretion through the kidney glomeruli. Recently studies found that RBP4 is expressed in adipose tissue and correlated with obesity, insulin resistance (IR) and type 2 diabetes (T2DM).
Endotoxin	Less than 0.1 EU/μg
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.2
Shipping	Ambient

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Conjugation Biotin

GENE INFORMATION

Gene Name	RBP4 retinol binding protein 4, plasma [Homo sapiens (human)]
Official Symbol	RBP4
Synonyms	Plasma retinol-binding protein; RBP4; retinol binding protein 4; plasma; RetinolBinding Protein 4; retinol-binding protein 4
Gene ID	5950
mRNA Refseq	NM_006744
Protein Refseq	NP_006735
MIM	180250
UniProt ID	P02753

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