Recombinant Human RBP4

Cat. No. RBP4-52H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Retinol Binding Protein 4, Plasma was expressed in yeast.
Species	Human
Source	Yeast
Description	Retinol binding protein (RBP) 4 is the only specific transport protein for vitamin A in the circulation whose function is to deliver vitamin to target tissues. In obesity and type 2 diabetes, expression of Glut4 is significantly impaired in adipocytes. Glucose transport via Glut4 is the rate-limiting step for glucose use by muscle and adipose tissue.Yang et al. noted that adipocytespecific deletion of Gluts led to notable elevation of RBP4 causing systemic insulin resistance, and that reduction of RBP4 improved insulin resistance. This identified a novel role of RBP4 in regulating insulin action and RBP4 is recorded as an adipocytederived hormone. Thus, measurement of serum or plasma RBP4 is a useful means for understanding of metabolic disorders.
Form	Lyophilized from sterile 20mM PB,240mM NaCl,PH6.0.
Molecular Mass	22.7kDa
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Applications	Western blotting, ELISA

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

Storage	Store it under sterile conditions at -20℃ to -102℃ upon receiving.Recommend to aliquot the protein into smaller quantities for optimal storage.

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; RBP; PRBP; plasma retinol-binding protein; retinol-binding protein 4, interstitial;
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; retinol biosynthesis, conserved biosystem; retinol biosynthesis, organism-specific biosystem;
Function	protein binding; retinal binding; retinol binding; retinol transporter activity; transporter activity;

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