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## Product Data Sheet

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Product Name: RBP4 Human  
 Cat. No.: GP20913  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retinol Binding Protein 4; RBP-4; RBP4; Plasma retinol-binding protein; PRBP; RBP.		
Amino Acid Sequence	MERDCRVSSF RVKENFDKAR FSGTWYAMAK KDPEGLFLQD NIVAEFSVDE TGQMSATAKGRVLLNNWDV CADMVGTFD TEDPAKFKMK YWGVASFLQK GNDDHWIVDT DYDTYAVQYS CRLNLDGTC ADSYSFVFSR DPNGLPPEAQ KIVRQRQEEL CLARQYRLIV HNGYCDGRSE RNLL.		
Formulation	1 mg/ml in PBS pH-7.4.		

### Introduction

Retinol binding protein 4(RBP4) belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. This protein was found to be expressed and secreted by adipose tissue, and was strongly associated with insulin resistance. 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. RBP4 delivers retinol from the liver to the peripheral tissues. In plasma, the rbp-retinol complex interacts with transthyretin, this prevents its loss by filtration through the kidney glomeruli.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

RBP-4 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (19-201 a.a.) containing 184 amino acids and having a molecular mass of 21

**Caution: Product has not been fully validated for medical applications. For research use only.**

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kDa. The Retinol Binding Protein-4 is purified by proprietary chromatographic techniques.

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