
Product Data Sheet

Product Name: RBP4 Human, His
Cat. No.: GP20914
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retinol Binding Protein 4 plasma; RBP-4; RBP4; Plasma retinol-binding protein; PRBP; RBP.		
Formulation	RBP4 protein solution is supplied in 10mM Tris, 50mM NaCl, 1mM EDTA and 50% glycerol.		

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. Avoid multiple freeze-thaw cycles.

Background

RBP-4 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 183 amino acids fragment (19-201) corresponding to the mature Retinol Binding Protein, having a total molecular mass of 25.57kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The RBP4 is purified by proprietary chromatographic techniques.

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

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