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## Product Data Sheet

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Product Name: RBP5 Human  
 Cat. No.: GP20915  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retinol-binding protein 5; Cellular retinol-binding protein III; CRBP-III; HRBPiso; RBP5; CRBP3; CRBP3III.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPPNLTGYR FVSQKNMEDY LQALNISLAV RKIALLLKPD KEIEHQGNHM TVRTLSTFRN YTVQFDVGVE FEEDLRSVDG RKCQTIVTWE EEHLVCVQKG EVPNRGWRHW LEGEMLYLEL TARDAVCEQV FRKVR.		
Formulation	The RBP5 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl.		

### Introduction

RBP5 is a member of the Retinol-binding proteins family. Estimation of retinol-binding protein is used to determine visceral protein mass in nutritional studies related to health. RBP5 has a higher expression in the adult kidney and liver and to a lesser extent in the adult and fetal spleen, adult lymph nodes and appendix, and fetal liver and kidney. RBP5 expression is strongly decreased in hepatocellular carcinoma tissues.

### 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

RBP5 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 155 amino acids (1-135 a.a.) and having a molecular mass of 18.1kDa. The RBP5 is purified by proprietary chromatographic techniques.

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

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