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## Product Data Sheet

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Product Name: RBP2 Human  
 Cat. No.: GP20912  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CRABP-II; CRBP2; CRBP2; RBPC2; Retinol-binding protein 2; Cellular retinol-binding protein II; RBP2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTTRDQN GTWEMESNEN FEGYMKALDI DFATRKI AVR LTQTKVIDQD GDNFKTKTTS TFRNYDVDFDFT VGVEFDEYTK SLDNRHV KAL VTWEGDVLVC VQKGEKENRG WKQWIEGD KL YLELT CGDQV CRQVF KKK.		
Formulation	RBP2 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.		

### Introduction

Retinol Binding Protein-2 (RBP2) which is present in the small intestinal epithelium takes part in the uptake and intracellular metabolism of vitamin A. Vitamin A is a fat-soluble vitamin essential for growth, reproduction, differentiation of epithelial tissues, and vision. RBP2 moderates the supply of retinoic acid to the nuclei of endometrial cells throughout the menstrual cycle.

### 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

RBP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 158 amino acids (1-134 a.a.) and having a molecular mass of 18kDa. RBP2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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