

# Recombinant human Retinol Binding Protein 2/RBP2 protein

Catalog Number: ATGP2048

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-134aa

**UniProt No.**

P50120

**NCBI Accession No.**

NP\_004155

**Alternative Names**

Retinol-binding protein 2, RBPC2, CRBP2, CRABP-II, Cellular retinol-binding protein 2

## PRODUCT SPECIFICATION

**Molecular Weight**

18 kDa (158aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

**Purity**

> 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

RBP2 is an abundant protein present in the small intestinal epithelium. It is thought to participate in the uptake and/or intracellular metabolism of vitamin A. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. RBP2 may also modulate the supply of retinoic acid to the nuclei of endometrial cells during the menstrual cycle. Recombinant human RBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MTRDQN GTWEMESNEN FEGYMKALDI DFATRKI AVR LTQTKVIDQD  
GDNFKTKTTS TFRNYD V DFT VGVEFDEYTK SLDNRHV KAL VTWEGDVLVC VQKGEKENRG WKQWIEGDKL YLELTCDQV  
CRQVFKKK

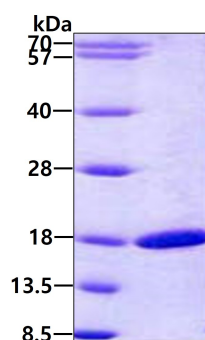
## General References

Zhang L, E X, et al. (2002). Am J Physiol Gastrointest Liver Physiol. 282(6):G1079-87.

Chan SW, et al. (2001). J Biol Chem. 276(30):28402-12.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.