

# Recombinant human Retinol Binding Protein 5/RBP5 protein

Catalog Number: ATGP0743

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-135aa

### UniProt No.

P82980

### NCBI Accession No.

NP\_113679

### Alternative Names

Retinol binding protein 5, CRBP-III, CRBP3, CRBP3III, Cellular retinol-binding protein III, Retinol binding protein 5, HRBPiso

## PRODUCT SPECIFICATION

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### Molecular Weight

18.1 kDa (155aa) , confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl

### 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

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### Description

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

MGSSHHHHHHH SSGLVPRGSH MPPNLTGYR FVSQKNMEDY LQALNISLAV RKIALLLKPD KEIEHQGNHM TVRTLSTFRN  
YTVQFDVGV E FEEDLRSVDG RKCQTIVTWE EEHLVCVQKG EVPNRGWRHW LEGEMLYLEL TARDAVCEQV FRKVR

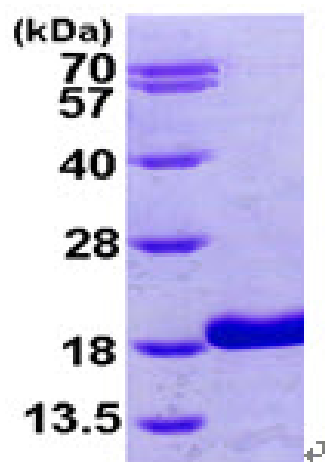
## General References

Folli C., et al. (2001) Proc. Natl. Acad. Sci. u.S.A. 98:3710-3715

Ho J.C.Y., et al. (2007) J. Cancer Res. Clin. Oncol. 133:929-936

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)+