

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

<MGSSHHHHH SSGLVPRGSH MGSH>MTRDQN GTWEMESNEN FEGYMKALDI DFATRKIAVR LTQTKVIDQD
GDNFKTKTTS TFRNYDVDFDFT VGVEFDEYTK SLDNRHVKAL VTWEGDVLVC VQKGEKENRG WKQWIEGDKL YLELTCGDQV
CRQVFKKK

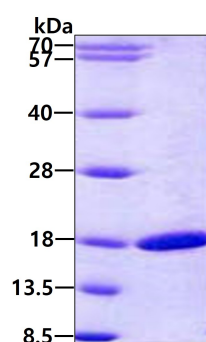
General References

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.