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AR50872PU-N Human Retinol-binding protein 2 / RBP2 (1-134, His-tag) - Purified

Alternate names: CRABP-II, CRABPII, CRBP-II, CRBP2, Cellular retinol-binding protein II

Quantity: 0.5 mg

Concentration: 1 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: P50120

NCBI: NP_004155

GeneID: 5948

Species: Human

Source: E. coli

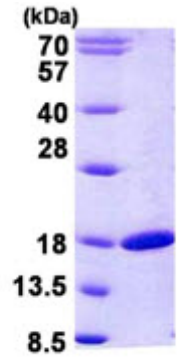
Format: **State:** Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.

Description: Recombinant human RBP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSHMTRDQN GTWEMESNEN FEGYMKALDI DFATRKIAVR LTQTKVIDQD GDNFKTKTTS TFRNYDVDFT VGVEFDEYTK SLDNRHVKAL VTWEGDVLVC VQKGEKENRG WKQWIEGDKL YLELTCGDQV CRQVFKKK
Molecular weight: 18 kDa (158aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 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.

Pictures:



15% SDS-PAGE (3ug)