

Recombinant Human Retinol Binding Protein 5, Cellular, His-tagged

Cat. No. RBP5-2830H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human RBP5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 18.1kDa (155aa), confirmed by MALDI-TOF.

Species Human

Source E.coli

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.


Sequences Of Amino Acids MGSSHHHHHH SSGLVPRGSH MPPNLTGYR FVSQKNMEDY LQALNISLAV
RKIALLLKPD KEIEHQGNHM TVRTLSTFRN YTVQFDVGVE FEEDLRSVDG
RKCQTIVTWE EEHLVCVQKG EVPNRGWRHW LEGEMLYLEL TARDAVCEQV
FRKVR

Purity > 95% by SDS – PAGE.

Form Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration 0.5mg/ml (determined by Bradford assay).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [RBP5 retinol binding protein 5, cellular \[Homo sapiens \]](#)

Synonyms RBP5; retinol binding protein 5, cellular; CRBP3; CRBP3III; CRBP-III; retinol-binding protein 5; HRBPiso; retinol-binding protein 5, cellular; cellular retinol-binding protein III; putative cellular retinol-binding protein CRBP III

Gene ID [83758](#)

mRNA Refseq [NM_031491](#)

Protein Refseq [NP_113679](#)

MIM [611866](#)

UniProt ID [P82980](#)

Chromosome Location 12p13.31

Function lipid binding; retinal binding; retinoid binding; retinol binding; transporter activity

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