

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.

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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