

Recombinant Human RBP2

Cat. No. RBP2-30008TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human RBP2 with N-terminal proprietary tag. Mol wt 35.53 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
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.
Molecular Weight	35.530kDa inclusive of tags
Tissue specificity	Higher expression in adult small intestine and to a much lesser extent in fetal kidney.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QDGDNFKTKTTSTFRNYDVDFTVGVFEFDEYTKSLDNRHVKALVTWEGDVLVVCVQK GEKENRGWKQWIEGDKLYLELTCDGQVCRQVFKKK
Sequence Similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
GENE INFORMATION	
Gene Name	RBP2 retinol binding protein 2, cellular [Homo sapiens]
Official Symbol	RBP2
Synonyms	RBP2; retinol binding protein 2, cellular; retinol-binding protein 2; CRABP II; CRBP2; CRBP2II; RBPC2;
Gene ID	5948
mRNA Refseq	NM_004164
Protein Refseq	NP_004155
MIM	180280
Uniprot ID	P50120
Chromosome Location	3q23
Pathway	Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of

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steroid hormones and vitamins A and D, organism-specific biosystem; Regulation of retinoblastoma protein, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; Vitamin A uptake in enterocytes, organism-specific biosystem;

Function

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

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