Recombinant Human RBP2 protein, GST-tagged

Cat. No. RBP2-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RBP2(1 a.a. - 134 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 134 a.a.
Description	This gene encodes 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. This protein may also modulate the supply of retinoic acid to the nuclei of endometrial cells during the menstrual cycle.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	42.1 kDa
AA Sequence	MTRDQNGTWEMESNENFEGYMKALDIDFATRKIAVRLTQTKVIDQDGDNFKTKTTS TFRNYDVDFTVGVEFDEYTKSLDNRHVKALVTWEGDVLVCVQKGEKENRGWKQWI EGDKLYLELTCGDQVCRQVFKKK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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; CRBPII; RBPC2; CRBP-II; cellular retinol-binding protein II; retinol-binding protein 2, cellular; CRABP-II;
Gene ID	5948
mRNA Refseq	NM_004164
Protein Refseq	NP_004155
MIM	180280
UniProt ID	P50120
Chromosome Location	3q23
Pathway	Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of 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;

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	Vitamin A uptake in enterocytes, organism-specific biosystem; Vitamin digestion and absorption, organism-specific biosystem;
Function	lipid binding; retinal binding; retinoid binding; retinol binding; transporter activity;

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