

Recombinant Human RBP1

Cat. No. RBP1-30075TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RBP1 with N-terminal proprietary tag. Mol Wt 40.92 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	135 amino acids
Description	This gene encodes the carrier protein involved in the transport of retinol (vitamin A alcohol) from the liver storage site to peripheral tissue. Vitamin A is a fat-soluble vitamin necessary for growth, reproduction, differentiation of epithelial tissues, and vision. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	40.920kDa inclusive of tags
Tissue specificity	Detected in nearly all the tissues with higher expression in adult ovary, pancreas, pituitary gland and adrenal gland, and fetal liver.
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	MPVDFTGYWKMLVNENFEEYLRALDVNVALRKIANLLKPD KEIVQDGDHMIIRTLST FRNYIMDFQVGKEFEEDLTGIDD RKCMTTVSWDGDKLQCVQKGEKEGRGWTQWI EGDELHLEM RVEGVVCKQVFKKVQ
Sequence Similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
GENE INFORMATION	
Gene Name	RBP1 retinol binding protein 1, cellular [Homo sapiens]
Official Symbol	RBP1
Synonyms	RBP1; retinol binding protein 1, cellular; retinol-binding protein 1; CRABP I; CRBP; CRBP1; CRBPI; RBPC;
Gene ID	5947
mRNA Refseq	NM_001130992
Protein Refseq	NP_001124464
MIM	180260
Uniprot ID	P09455
Chromosome Location	3q21-q23

Pathway	Retinoic acid receptors-mediated signaling, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem;
Function	lipid binding; retinal binding; retinoid binding; retinol binding; transporter activity;

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