

# Recombinant Human RBP1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human RBP1 with N-terminal proprietary tag. Mol Wt 40.92 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Protein Length</b>	135 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	40.920kDa inclusive of tags
<b>Tissue specificity</b>	Detected in nearly all the tissues with higher expression in adult ovary, pancreas, pituitary gland and adrenal gland, and fetal liver.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MPVDFTGYWKMLVNENFEEYLRALDVNVALRKIANLLKPD KEIVQDGDHMIIRTLST FRNYIMDFQVGKEFEEDLTGIDD RKCMTTVSWDGDKLQCVQKGEKEGRGWTQWI EGDELHLEM RVEGVVCKQVFKKVQ
<b>Sequence Similarities</b>	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

## GENE INFORMATION

<b>Gene Name</b>	RBP1 retinol binding protein 1, cellular [ Homo sapiens ]
<b>Official Symbol</b>	RBP1
<b>Synonyms</b>	RBP1; retinol binding protein 1, cellular; retinol-binding protein 1; CRABP I; CRBP; CRBP1; CRBPI; RBPC;
<b>Gene ID</b>	5947
<b>mRNA Refseq</b>	NM_001130992
<b>Protein Refseq</b>	NP_001124464
<b>MIM</b>	180260
<b>Uniprot ID</b>	P09455
<b>Chromosome Location</b>	3q21-q23

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

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