

## Recombinant Human RBP7, His-tagged

RBP7-31300TH Human

Lot. No. (See product label)

### Specification

<b>Product Overview</b>	Recombinant full length Human RBP7 with an N terminal His tag ; predicted mwt: 17.6 kDa;
<b>Description</b>	Due to its chemical instability and low solubility in aqueous solution, vitamin A requires cellular retinol-binding proteins (CRBPs), such as RBP7, for stability, internalization, intercellular transfer, homeostasis, and metabolism.
<b>Protein length</b>	134 amino acids
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	17.600kDa inclusive of tags
<b>Source</b>	E. coli
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 200mM Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MPADLSGTWT LLSSDNFEGY MLALGIDFAT RKIAKLLKPK KVIEQNGDSF TIHTNSSLRN YFVKFKVGE E FDEDNRGLDN RKCKSLVIWD NDRLTCIQKG EKKNRGWTHW IEGDKLHLEM FCEGQVCKQT FQRA

### Gene Information

<b>Gene Name</b>	<a href="#">RBP7 retinol binding protein 7, cellular [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">RBP7</a>
<b>Synonyms</b>	RBP7; retinol binding protein 7, cellular; retinoid-binding protein 7; CRBP1V;
<b>Gene ID</b>	<a href="#">116362</a>
<b>mRNA Refseq</b>	<a href="#">NM_052960</a>
<b>Protein Refseq</b>	<a href="#">NP_443192</a>
<b>MIM</b>	<a href="#">608604</a>
<b>Uniprot ID</b>	<a href="#">Q96R05</a>

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<b>Chromosome</b>	1p36.22
<b>Location</b>	
<b>Pathway</b>	Vitamin A and carotenoid metabolism, organism-specific biosystem;
<b>Function</b>	lipid binding; retinal binding; retinol binding; transporter activity;

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