

Recombinant Human RBP7 protein, His-tagged

RBP7-3459H Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant Human RBP7(1-134aa) fused with His tag at N-terminal was expressed in E. coli.
Description	RBP7, also known as CRBP4, belongs to a superfamily of small cytoplasmic proteins which interact with hydrophobic ligands. RBP7 is cytoplasmic protein that, like CRBP I and CRBP II, form beta-barrel structures and participates in the intracellular transport of retinol. RBP7 is a recently identified cellular retinol carrier, expressed in the kidney, heart and transverse colon in humans.
Source	E. coli
Species	Human
Tag	His
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 20% glycerol
Molecular Mass	17.6 kDa (154aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSHFDEDNRGLDN RKCKSLVIWD NDRLTCIQKG EKKNRGWTHW IEGDKLHLEM FCEGQVCKQT FQRAMPADLSGTWT LLSSDNFEGY MLALGIDFAT RKIAKLLKPQ KVIEQNGDSF TIHTNSSLRN YFVKFKVGEE
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

Gene Information

Gene Name	RBP7 retinol binding protein 7, cellular [Homo sapiens]
Official Symbol	RBP7
Synonyms	RBP7; retinol binding protein 7, cellular; retinoid-binding protein 7; CRBP4; CRABP4; CRABP-IV; retinoid binding protein 7; cellular retinoic acid-binding protein 4; cellular retinoic acid-binding protein IV; putative cellular retinol-binding protein CRBP IV; CRBP4; MGC70641;
Gene ID	116362
mRNA Refseq	NM_052960
Protein Refseq	NP_443192
MIM	608604

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UniProt ID	Q96R05
Chromosome Location	1p36.22
Pathway	Vitamin A and carotenoid metabolism, organism-specific biosystem;
Function	lipid binding; retinal binding; retinol binding; transporter activity;

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