

Recombinant Human CRABP1

Cat. No. CRABP1-26984TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length CRABP1 protein MW 15.5kDa.
Species	Human
Source	E.coli
Description	This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MPNFAGTWKM RSENFDELL KALGVNAMLK KVAVAAASKP HVEIRQDGDQ FYIKTSTTVR TTEINFKVGE GFEEETVDGR KCRSLATWEN ENKIHCTQTL LEGDGPKEYW TRELANDELI LTFGADDVVC TRIYVRE

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Sequence Similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CRABP1 cellular retinoic acid binding protein 1 [Homo sapiens]
Official Symbol	CRABP1
Synonyms	CRABP1; cellular retinoic acid binding protein 1; cellular retinoic acid binding protein 1 , RBP5; cellular retinoic acid-binding protein 1; CRABP; CRABP I; CRABPI;
Gene ID	1381
mRNA Refseq	NM_004378
Protein Refseq	NP_004369
MIM	180230
Uniprot ID	P29762
Chromosome Location	15q24
Pathway	Vitamin A and carotenoid metabolism, organism-specific biosystem;
Function	lipid binding; retinal binding; retinoid binding; retinol binding; transporter activity;

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