

Recombinant Human cellular retinoic acid binding protein 1

Cat. No. CRABP1-481H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant CRABP1 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 15.5 kDa (137 aa).
Species	Human
Source	E.coli
Description	CRABP1, also known as cellular retinoic acid-binding protein 1, is a member of specific carrier proteins for members of the vitamin A family. This protein is assumed to play an important role in retinoic acid-mediated differentiation and proliferation processes. CRABP1 is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid. It is constitutively expressed and is believed to have different functions in the cell than the related CRABP2.
Amino Acid Sequence	MPNFAGTWKM RSENFDELL KALGVNAMLK KVAVAAASKP HVEIRQDGDQ FYIKTSTTVR TTEINFKVGE GFEEETVDGR KCRSLATWEN ENKIHCTQTL LEGDGPKTYW TRELANDELI LTFGADDVVC TRIYVRE.
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

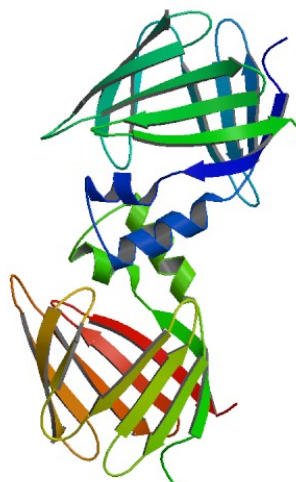
Gene Name	CRABP1 cellular retinoic acid binding protein 1 [Homo sapiens]
Synonyms	CRABP1; cellular retinoic acid binding protein 1; RBP5; CRABP; CRABPI; CRABP-I; cellular retinoic acid-binding protein 1; Cellular retinoic acid-binding protein I
Gene ID	1381
mRNA Refseq	NM_004378
Protein Refseq	NP_004369
MIM	180230
UniProt ID	P29762
Chromosome Location	15q24
Function	lipid binding; retinal binding; retinol binding; transporter activity

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