

# Recombinant Human cellular retinoic acid binding protein 1

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

## SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>Product Overview</b>    | Recombinant CRABP1 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 15.5 kDa (137 aa).   |
| <b>Species</b>             | Human   |
| <b>Source</b>              | E.coli  |
| <b>Description</b>         | 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. |
| <b>Amino Acid Sequence</b> | MPNFAGTWKM RSENFDELL KALGVNAMLK KVAVAAASKP HVEIRQDGDQ<br>FYIKTSTTVR TTEINFKVGE GFEEETVDGR KCRSLATWEN ENKIHCTQTL<br>LEGDGPKTYW TRELANDELI LTFGADDVVC TRIYVRE.  |
| <b>Form</b>                | Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.  |
| <b>Purity</b>              | > 95% by SDS – PAGE.  |
| <b>Concentration</b>       | 1.0 mg/ml (determined by Bradford assay).   |
| <b>Storage</b>             | 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

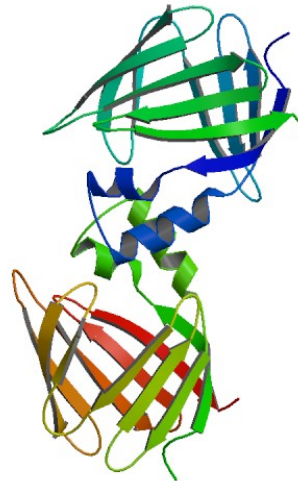
|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | CRABP1 cellular retinoic acid binding protein 1 [ Homo sapiens ]   |
| <b>Synonyms</b>            | CRABP1; cellular retinoic acid binding protein 1; RBP5; CRABP; CRABPI; CRABP-I; cellular retinoic acid-binding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

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