

Recombinant human CRABP1 protein

Catalog Number: ATGP0351

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-137aa

UniProt No.

P29762

NCBI Accession No.

NP_004369

Alternative Names

Cellular retinoic acid binding protein 1, CRABP, CRABP-I, CRABPI, RBP5, Cellular retinoic acid binding protein 1 CRABP 1, CRABP I, RBP 5, Retinoic acid binding protein I cellular.

PRODUCT SPECIFICATION

Molecular Weight

15.5 kDa (137aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant CRABP1 protein was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

MPNFAGTWKM RSENFDELL KALGVNAMLK KVAVAAASKP HVEIRQDGDQ FYIKTSTTVR TTEINFKVGE GFEEETVDGR
KCRSLATWEN ENKIHCTQTL LEGDGPKEYW TRELANDELI LTFGADDVVC TRIYVRE

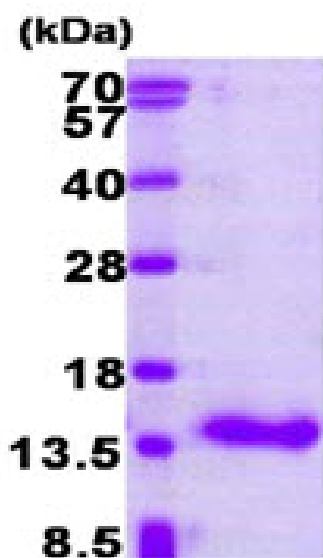
General References

Wang L, et al. (1997) J Biol Chem, 272(3):1541-7.

Astrom A, et al. (1991) J Biol Chem, 266(26):17662-6.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)