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Recombinant human CRABP2 protein

Catalog Number: RBP0801

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-138aa

UniProt No.
P29373

NCBI Accession No.
NP_001869

Alternative Names
Cellular retinoic acid binding protein 2, RBP6, CRABP-II, Cellular retinoic acid binding protein 2, CRABP2, RBP6, CRABP-II, Cellular retinoic acid binding protein 2 Cellular retinoic acid binding protein II, CRABP II, CRABPII,

PRODUCT SPECIFICATION

Molecular Weight
15.6 kDa (138aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

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

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

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
The cellular retinoic acid-binding protein II (CRABP-II) is involved in the conversion of vitamin A into its intracellular active form retinoic acid, which regulate the genes responsible for lipid metabolism and adipocyte differentiation. CRABP2 gene is located on chromosome 1q21-23 and this region has been linked with related

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disorders such as familial combined hyperlipidemia (FCHL) and type 2 diabetes mellitus. Recombinant human CRABP2 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

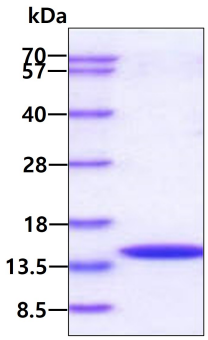
MPNFSGNWKI IRSENFEELL KVLGVNVMLR KIAVAAASKP AVEIKQEGDT FYIKTSTTVR TTEINFKVGE EFEEQTVDGR PCKSLVKWES ENKMVCEQKL LKGEGPKTSW TRELTNDGEL ILTMTADDVV CTRVYVRE

General References

Astrom A., et al (1991). J. Biol. Chem. 266 (26), 17662-6
Gupta A., et al (2006). Cancer Res. 66 (16), 8100-8.

DATA

SDS-PAGE



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