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California Bioscience

Product Datasheet

Product Name	Cellular Retinoic Acid binding Protein 2 Human Recombinant
Cata No	CB501494
Source	*Escherichia Coli.*
Synonyms	RBP6, CRABP-II, CRABP2, RETINOIC ACID-BINDING PROTEIN CELLULAR TYPE II, Cellular retinoic acid-binding protein 2, Cellular retinoic acid-binding protein II.

Description

CRABP2 NCBI Accession No: NP_001869 regulates the access of retinoic acid to the nuclear retinoic acid receptors. CRABP2 is involved in a regulatory feedback mechanism that controls the action of retinoic acid on cell differentiation.
CRABP2 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 disorders such as familial combined hyperlipidemia (FCHL) and type 2 diabetes mellitus.
CRABP proteins are of low molecular weight having an important function in retinoic acid-mediated regulation of human skin growth and differentiation.
CRABP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 136 amino acids and having a molecular mass of 15.6 kDa.
The CRABP2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered colorless solution

Purity

Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

The CRABP2 protein solution contains 20mM Tris-HCl pH-8 and 20% glycerol.

Stability

CRABP2 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.

Sequence

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

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