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**Product Data Sheet**


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Product Name: CRABP2 Human  
 Cat. No.: GP23215  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	RBP6; CRABP-II; CRABP2; RETINOIC ACID-BINDING PROTEIN CELLULAR TYPE II; Cellular retinoic acid-binding protein 2; Cellular retinoic acid-binding protein II.		
Amino Acid Sequence	MPNFSGNWKI IRSENFEEEL KVLGVNVMRL KIAVAAASKP AVEIKQEGDT FYIKTSTTVR TTEINFKVG E FEEQTV DGR PCKSLVKWES ENKMOVCEQKL LKGEGPKTSW TREL TNDGEL ILTMTADDVV CTRVYVRE.		
Formulation	The CRABP2 protein solution contains 20mM Tris-HCl pH-8 and 20% glycerol.		

**Introduction**

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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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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.

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