
Product Data Sheet

Product Name: RBP7 Human
 Cat. No.: GP20916
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retinoid-binding protein 7; Cellular retinoic acid-binding protein 4; CRABP4; CRBP4; Cellular retinoic acid-binding protein IV; CRABP-IV; RBP7; MGC70641.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPADLSGTWT LLSSDNFEGY MLALGIDFAT RKIAKLLKPQ KVIEQNGDSF TIHTNSSLRN YFVKFKVGEE FDEDNRGLDN RKCKSLVIWD NDRLTCIQKG EKKNRGWTHW IEGDKLHLEM FCEGQVCKQT FQRA.		
Formulation	The RBP7 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 20% glycerol.		

Introduction

RBP7 is a member of a superfamily of small cytoplasmic proteins which interact with hydrophobic ligands. RBP7 is cytoplasmic protein which, like CRBP I and CRBP II, forms β -barrel structures and participates in the intracellular transport of retinol. RBP7 is a newly identified cellular retinol carrier, which is expressed in the kidney, heart and transverse colon in humans.

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

RBP7 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 154 amino acids (1-134 a.a.) and having a molecular mass of 17.6kDa. The RBP7 is purified by proprietary

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

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chromatographic techniques.

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