Product Data Sheet

Product Name:	RBP3 Human
Cat. No.:	GP26074
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	RBP3, IRBP, Retinol-binding protein 3, Interphotoreceptor retinoid-binding protein, Interstitial retinol-binding protein.		
Solubility	It is recommended to reconstitute the lyophilized RBP3 in sterile distilled H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	RBP3 was lyophilized from a concentrated 0.2µm solution in PBS pH, 7.4.		

Introduction

Retinol-binding proteins (RBP) are a family of proteins with various functions. Retinol and retinoic acid play crucial roles in the modulation of gene expression and overall development of an embryo. However, deficit or excess of either one of these substances can cause early embryo mortality or developmental malformations. Regulation of transport and metabolism of retinol necessary for a successful pregnancy is accomplished via RBP. Retinol binding proteins have been identified within the uterus, embryo, and extraembryonic tissue of the bovine, ovine, and porcine, therefore RBP takes part in proper retinol exposure to the embryo and successful transport at the maternal-fetal interface.

Stability

Lyophilized RBP3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution. Retinol Binding Protein-3 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Background

RBP3 Human Recombinant (321-630a.a) produced in E.Coli is a single, non-glycosylated

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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RBP3 Human Recombinant (S22-S350a), produced in E.coli is a single, non-glycosylated Polypeptide chain. RBP3 is fused to a 6 a.a His tag at N-terminal and is purified by proprietary chromatographic techniques.

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