
Product Data Sheet

Product Name: RBP4 Mouse
 Cat. No.: GP26075
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Retinol Binding Protein 4, RBP-4, RBP4, Plasma retinol-binding protein, PRBP, RBP.		
Amino Acid Sequence	ERDCRVSSFR VKENFDKARF SGLWYAIKK DPEGLFLQDN IIAEFSVDEK GHMSATAKGR VRLLSNWEVC ADMVGTFTDT EDPAKFKMKY WGVASFLQRG NDDHWIIDTD YDTFALQYSC RLQNLDGTCA DSYSFVFSRD PNGLSPETRR LVRQRQEELC LERQYRWIEH NGYCQSRPSR NSLLEHHHHH H.		
Formulation	The RBP4 solution (0.5mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

Retinol Binding Protein-4 or RBP4, is the retinol carrier protein in the plasma. RBP4 takes part on the conversion of retinol to the stable and soluble retinol complex in the plasma. RBP4 carries retinol from the liver tissue where its store to peripheral tissues. RBP-retinol complex has interactions with transthyretin in the plasma, thus prevents its loss by filtration in the kidney.

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

RBP4 Mouse produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 191 amino acids (19-201 a.a) and having a molecular mass of 22.4kDa. RBP4 is fused to an 8 amino acid His tag at C-terminus and 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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