Datasheet for ABIN7534463

RBP4 Protein (Fc Tag,His tag)

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Overview

Quantity:	100 µg
Target:	RBP4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This RBP4 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human Retinol-binding protein 4/PRBP Protein
Sequence:	ERDCRVSSFR VKENFDKARF SGTWYAMAKK DPEGLFLQDN IVAEFSVDET GQMSATAKGR VRLLNNWDVC ADMVGTFTDT EDPAKFKMKY WGVASFLQKG NDDHWIVDTD YDTYAVQYSC RLLNLDGTCA DSYSFVFSRD PNGLPPEAQK IVRQRQEELC LARQYRLIVH NGYCDGRSER NLL
Specificity:	Glu19-Leu201
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human RBP4 Protein at 2 µg/mL (100 µL/well) can bind RBP4 Rabbit mAb with a linear range of 0.12-2.1 ng/mL.

Target Details

Target:	RBP4
Alternative Name:	Retinol-binding protein 4/PRBP (RBP4 Products)
Background:	Description: This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein posttranslationally and results in defective delivery and supply to the epidermal cells. Name: MCOPCB10, RDCCAS,RBP4,RDCCAS
Gene ID:	5950
UniProt:	P02753
Pathways:	Regulatory RNA Pathways, Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis, Production of Molecular Mediator of Immune Response

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.