Datasheet for ABIN7318988

RBP3 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	RBP3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBP3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human RBP3 Protein (His Tag)
Sequence:	Thr321-Leu630
Characteristics:	Recombinant Human Retinol-binding Protein 3 is produced by our E.coli expression system and the target gene encoding Thr321-Leu630 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	RBP3
Alternative Name:	RBP3 (RBP3 Products)
Background:	Background: Retinol-binding proteins (RBP) are a family of proteins with diverse functions. They are carrier proteins that bind retinol. Retinol and retinoic acid play crucial roles in the modulation of gene expression and overall development of an embryo. However, deficit or

Target Details

	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, clearly indicating that RBP plays a role in proper retinol exposure to the embryo and successful transport at the maternal-fetal interface. Synonym: Retinol-binding protein 3, Interphotoreceptor retinoid-binding protein, IRBP, Interstitial retinol-binding protein, RBP3
Molecular Weight:	35.2 kDa
UniProt:	P10745

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.