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Datasheet for ABIN7318989

Retinol Binding Protein 5 Protein

Overview

Quantity:	50 µg
Target:	Retinol Binding Protein 5 (RBP5)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human RBP5 Protein
Sequence:	Met 1-Arg135
Characteristics:	Recombinant Human Retinol-binding Protein 5 is produced by our E.coli expression system and the target gene encoding Met1-Arg135 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Retinol Binding Protein 5 (RBP5)
Alternative Name:	RBP5 (RBP5 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 excess of either one of these substances can cause early embryo mortality or developmental

Target Details

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 5, Cellular retinol-binding protein III, CRBP-III, HRBPiso, RBP5

Molecular Weight:	15.9 kDa
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UniProt:	P82980
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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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.
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