

Recombinant Human Retinol-binding protein 3 /RBP3 Protein

Catalog No.: RP03269

Sequence Information

Species **Gene ID**
Human 5949

Swiss Prot **Tags**
P10745 N-His

Synonyms

Retinol-binding protein 3;
Interphotoreceptor retinoid-binding protein; Interstitial retinol-binding protein; RBP3; IRBP

Product Information

Source **Purification**
E.coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
35.2 kDa 38&75-80 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Retinol-binding proteins (RBP) 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 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.

Basic Information

Description

Recombinant Human Retinol-binding protein 3/RBP3 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Thr321-Leu630) of human RBP3 (Accession #P10745) fused with His tag at the N-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

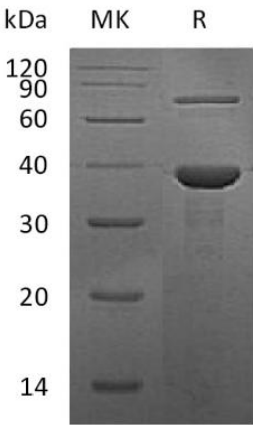
Contact

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Validation Data



Recombinant Human Retinol-binding protein 3/RBP3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.