Recombinant Human RBP7 Protein

Catalog No. PKSH032995

Note: Centrifuge before opening to ensure complete recovery of vial contents.

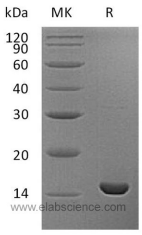
Description

Synonyms	Retinoid-binding protein 7; Cellular retinoic acid-binding protein 4; CRABP4; CRBP4; Cellular retinoic acid-binding protein IV; CRABP-IV; RBP7
Species	Human
Expression Host	E.coli
Sequence	Met1-Ala134
Accession	Q96R05
Calculated Molecular Weight	15.5 kDa
Observed molecular weight	14 kDa
Tag	No tag

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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 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

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successful transport at the maternal-fetal interface.

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