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**Recombinant Human Retinoid-Binding Protein 7 Protein****Cat.NO.: TP05178**

3th Edition

**Synonyms:**Retinoid-binding protein 7; Cellular retinoic acid-binding protein 4; CRABP4; CRBP4; Cellular retinoic acid-binding protein IV; CRABP-IV; RBP7

**Description:**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 successful transport at the maternal-fetal interface.

**Form:**PBS

**Molecular Weight:**15.5 kDa

**Sequences:**Met 1-Ala134

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.