

**RBP7, 1-134aa, Human, His tag, E.coli**

**Cat.NO.: TP03699**

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3th Edition

**Synonyms:**Retinoid-binding protein 7, CRBP4, CRBP4V, MGC70641

**Description:**RBP7, also known as CRBP4, belongs to a superfamily of small cytoplasmic proteins which interact with hydrophobic ligands. RBP7 is cytoplasmic protein that, like CRBP I and CRBP II, form  $\beta$ -barrel structures and participates in the intracellular transport of retinol. RBP7 is a recently identified cellular retinol carrier, expressed in the kidney, heart and transverse colon in humans. Recombinant human RBP7 protein, fused to His-tag at Nterminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 20% glycerol

**Molecular Weight:**17.6 kDa (154aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMPADLSGTWTLSSDNFEGYMLALGIDFATRKIALLKPKQKQVIEQNGDSFTIHTNS  
SLRNYFVKFKVGEEFDEDNRGLDNRKCKSLVIWDNDRLTCIQKGEKKNRGWTHWIEGDKLHLEMFCEGQVCKQTF  
QRA

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**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.