## NKMAXBIO We support you, we believe in your research

## Recombinant human Retinol Binding Protein 7/RBP7 protein

Catalog Number: ATGP0936

### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-134aa

#### **UniProt No.**

096R05

#### **NCBI Accession No.**

NP 443192

#### **Alternative Names**

Retinoid-binding protein 7, CRBP4, CRBPIV, MGC70641, Cellular retinoic acid-binding protein 4

## PRODUCT SPECIFICATION

## **Molecular Weight**

17.6 kDa (154aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 2mM DTT, 20% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

### **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 N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



# NKMAXBio We support you, we believe in your research

# Recombinant human Retinol Binding Protein 7/RBP7 protein

Catalog Number: ATGP0936

## **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MPADLSGTWT LLSSDNFEGY MLALGIDFAT RKIAKLLKPQ KVIEQNGDSF TIHTNSSLRN YFVKFKVGEE FDEDNRGLDN RKCKSLVIWD NDRLTCIQKG EKKNRGWTHW IEGDKLHLEM FCEGQVCKQT FQRA

#### **General References**

Aoki T., et al. (2009) Clin Exp Allergy. 39(2):213-21. Sampath V., et al. (2008) J Biol Chem. 283(7):3923-31.

## **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.