Recombinant human Retinol Binding Protein 7/RBP7 protein

Catalog Number: ATGP0936

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-134aa

UniProt No.
Q96R05

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.

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Amino acid Sequence

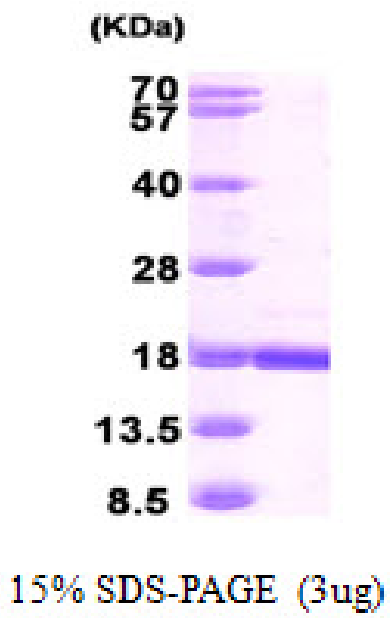
MGSSHHHHHH SSGLVPRGSH MPADLSGTWT LLSSDNFEGY MLALGIDFAT RKIAKLLKPQ KVIEQNGDSF TIHTNSSLRN YFVKFKVGEE FDEDNRGLDN RKCKSLVIWD NDRLTCIQKG EKKNRGWTHW IEGDKLHLEM FCEGQVCKQT FQRA

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.