Recombinant human Retinol Binding Protein 5/RBP5 protein

Catalog Number: ATGP0743

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-135aa

UniProt No.
P82980

NCBI Accession No.
NP_113679

Alternative Names
Retinol binding protein 5, CRBP-III, CRBP3, CRBPIII, Cellular retinol-binding protein III, Retinol binding protein 5, HRBPiso

PRODUCT SPECIFICATION

Molecular Weight
18.1 kDa (155aa) , confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl

Purity
> 95% 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
RBP5 belongs to the Retinol-binding proteins family. Assessment of retinol-binding protein is used to determine visceral protein mass in nutritional studies related to health. RBP5 is higher expression in adult kidney and liver and to a lesser extent in adult and fetal spleen, adult lymph nodes and appendix, and fetal liver and kidney. It is strongly decreased in hepatocellular carcinoma tissues. Recombinant human RBP5 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

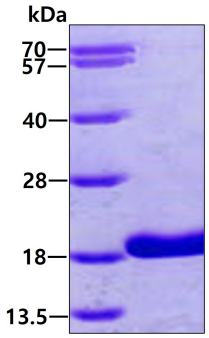
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General References

Folli C.,et al. (2001) Proc. Natl. Acad. Sci. u.S.A. 98:3710-3715
Ho J.C.Y., et al. (2007) J. Cancer Res. Clin. Oncol. 133:929-936

DATA

SDS-PAGE



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