



Retinol Binding Protein-5, His Tag, human recombinant (rHuRBP-5-His)

Catalog No: 97389
Lot No: XXXXX
Source: *E. coli*
Synonyms: Retinol-binding protein 5, Cellular retinol-binding protein III, CRBP-III, HRBPiso, RBP5, CRBP3, CRBPIII

Background

RBP5 is a member of the Retinol-binding proteins family. Estimation of retinol-binding protein is used to determine visceral protein mass in nutritional studies related to health. RBP5 has a higher expression in the adult kidney and liver and to a lesser extent in the adult and fetal spleen, adult lymph nodes and appendix, and fetal liver and kidney. RBP5 expression is strongly decreased in hepatocellular carcinoma tissues.

Description

RBP-5 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 155 amino acids (1-135) and having a molecular mass of 18.1 kDa. RBP5 is fused with a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The RBP5 solution (0.5 mg/ml) contains 20 mM Tris-HCl buffer (pH8.0), 10% glycerol, 2 mM DTT and 100 mM NaCl.

Stability

RBP5 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MPPNLTGYR FVSQKNMEDY LQALNISLAV RKIALLLKPD KEIEHQGNHM TVRTLSTFRN
YTVQFDVGVE FEEDLRSDVG RKCQTIVTWE EEHLVCVQKG EVPNRGWRHW LEGEMLYLEL TARDVCEQV FRKVR

Usage

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