

# Retinol Binding Protein (RBP4), Human Urine

04/21

<b>CATALOG NO:</b>	P1723-1000 1 mg
<b>ALTERNATE NAMES:</b>	Retinol binding protein 4; plasma retinol-binding protein; MCOPCB10; RDCCAS; PRBP; RBP
<b>MOL. WT.</b>	21 kDa
<b>NCBI GENE ID:</b>	5950
<b>ACCESSION NO.:</b>	P02753
<b>PURITY:</b>	≥ 98% by SDS-PAGE
<b>SOURCE:</b>	Human urine from patients with chronic renal tubular proteinuria
<b>FORM:</b>	Lyophilized powder
<b>FORMULATION:</b>	Lyophilized from 0.02 M ammonium bicarbonate
<b>RECONSTITUTION:</b>	Reconstitute using phosphate buffer with 0.15 M NaCl, pH > 7.0
<b>STORAGE CONDITIONS:</b>	Store at 4 °C.
<b>DESCRIPTION:</b>	Retinol binding protein (RBP4) is the specific carrier for retinol (vitamin A) in the blood. RBP4 delivers retinol from the liver to peripheral tissues. In plasma, RBP4 complexed with retinol interacts with transthyretin which prevents its loss by filtration through kidney glomeruli. RBP4 then transfers the retinol to other factors to facilitate retinol transport across the cell membrane.
<b>INFECTIOUS DISEASE TESTING:</b>	Human donor material was tested and found to be negative for HIV-1 and HIV-2, HBsAg, and HCV by current FDA approved methods.
<b>RELATED PRODUCTS:</b>	RBP4, Human Recombinant (Cat. No. 4940) Human CellExp™ RBP4, Human Recombinant (Cat. No. 7563) Human CellExp™ Transthyretin, Human Recombinant (Cat. No. P1138) Anti-RBP4 Antibody (Cat. No. A1400) RBP4 (Human) ELISA Kit (Cat. No. K4912)

**FOR RESEARCH USE ONLY! Not to be used on humans.**