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**Retinol Binding Protein      Human, Recombinant, *E. coli***

**Cat. No.:**      RCP9078                      **Size:**      10µg

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**Synonym:**                      Plasma retinol binding protein 4 (RBP4); Interstitial retinol binding protein 4; RBP.

**Description:**                      Retinol binding protein (RBP4) belongs to the lipocalin superfamily of proteins. It is synthesized and secreted by hepatic paraenchymal cells and is involved in the binding of retinol and transthyretin preventing loss by glomerular filtration and renal excretion before transport to the peripheral tissues. Increased plasma levels of retinol binding protein have been shown to cause systemic insulin resistance and as such, the protein may play a role in the pathogenesis of Type II diabetes.

**RANDOX** recombinant Retinol Binding Protein comprises a 183 amino acid fragment (19-201) corresponding to the mature Retinol Binding Protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

**Form:**                                      Liquid.  
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:**                                      Single band on Western blot.

**References:**                      Newcomer, M.E & Ong, D.E. 2000 *Biochim. Biophys. Acta*  
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