

Product Name: Recombinant Human RBP4
Catalog #: PEH1413

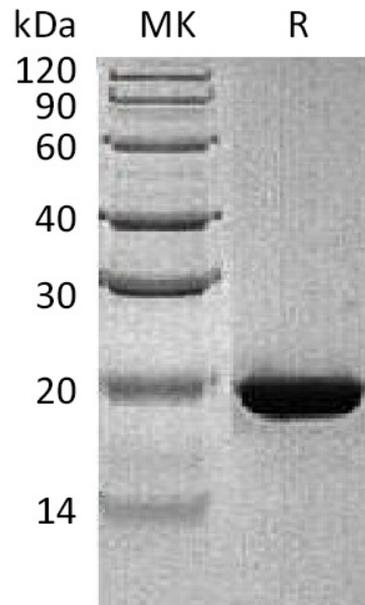


Summary

Name	RBP4/Retinol-Binding Protein 4
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Retinol-Binding Protein 4 is produced by our E.coli expression system and the target gene encoding Glu19-Leu201 is expressed.
Accession #	P02753
Host	E.coli
Species	Human
Predicted Molecular Mass	21.2 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 50mM Tris-HCl, 10mM CaCl ₂ , 150mM NaCl, pH 7.5 .
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Retinol-Binding Protein 4; Plasma Retinol-Binding Protein; PRBP; RBP; RBP4

Background

Retinol Binding Protein 4 (RBP4) is a member of the Lipocalin family and is found in the blood. RBP4 is the specific vector for retinol. RBP4 is expressed and secreted by adipose tissue, and is associated with insulin resistance. RBP4 delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin to prevent its loss by filtration through the kidney glomeruli. Defects in RBP4 cause retinol-binding protein deficiency and can cause night vision problems.

Note

For Research Use Only , Not for Diagnostic Use.