9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-9115: Recombinant Human Retinol-Binding Protein 4/RBP4 (C-His)

Alternative Name :	Plasma retinol-binding protein; RBP4; retinol binding protein 4, plasma; RetinolBinding Protein 4; retinol-binding protein 4;Plasma retinol-binding protein Plasma retinol-binding protein(1-182) Plasma retinol-binding protein(1-181) Plasma retinol-binding protein(1-179) Plasma retinol-binding protein(1-176)

Description

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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Source: Human 293 Cells;

Specificity : Detected in blood plasma and in urine (at protein level).

Retinol-binding protein 4 (RBP4) is the specific carrier for retinol (alsoknown as vitamin A), and is responsible for the conversionof unstableandinsoluble retinol in aqueous solution into stable and solublecomplexinplasma through their tight interaction. As a member of thelipocalinsuperfamily, RBP4 containing a β-barrel structure with a well-definedcavityis secreted from the liver, and in turn delivers retinol fromtheliver storestothe peripheral tissues. In plasma, the RBP4-retinol complexinteractswithtransthyretin (TTR), and this binding is crucial for preventingRBP4excretion through the kidney glomeruli. RBP4 expressedfromanectopicsource efficiently delivers retinol to the eyes, and its deficiencyaffectsnightvision largely. Recently, RBP4 as an adipokine, is found tobeexpressedinadipose tissue and correlated with obesity, insulin resistance(IR) andtype2 diabetes (T2DM).

Product Info

Amount :	25 µg
Purification :	≥ 85 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
Content :	Formulation: Lyophilized from sterile PBS, pH 7.2 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃. Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Predicted N Terminal: Glu 19

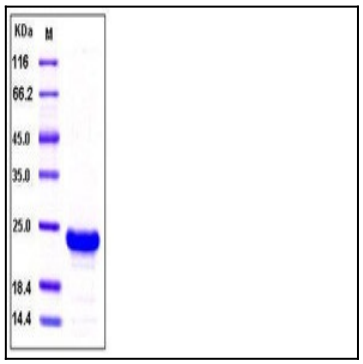


Figure 1 : Recombinant Human RBP4 Protein (His Tag), verified image

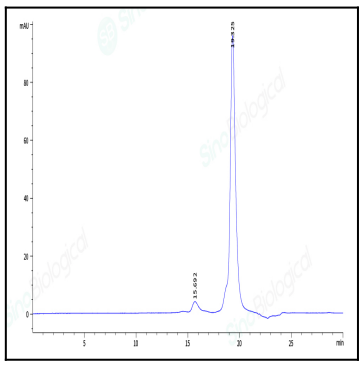


Figure 2 : Recombinant Human RBP4 Protein (His Tag), HPLC-verified image

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