Recombinant Human RBP4 Protein, His-tagged

Cat. No. RBP4-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Retinol-Binding Protein 4 is produced by Human 293 Cells. The target gene encoding E19-L201 is expressed with an 8His tag at the C terminus.
Species	Human
Source	HEK293
Description	Retinol-binding protein 4 (RBP4) is a prototypic member of the lipocalin superfamily. RBP4 acts as a carrier for retinol (vitamin A), can stabilize the unstable and insoluble retinol in aqueous solution through their tight interaction. RBP4 is secreted from the liver, and in turn delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP4-retinol complex interacts with transthyretin (TTR), which is crucial for preventing RBP4 excretion through the kidney glomeruli. Recently studies found that RBP4 is expressed in adipose tissue and correlated with obesity, insulin resistance (IR) and type 2 diabetes (T2DM).
Form	Lyophilized frum a 0.2 um filtered solution of PBS, pH7.2.
Molecular Mass	Predicted Molecular Weight: 24.1kDa Apparent Molecular Weight: Biotinylated RBP4 protein appeared at 24kDa and 26kDa in a reducing SDS-PAGE gel.
AA Sequence	E19-L201

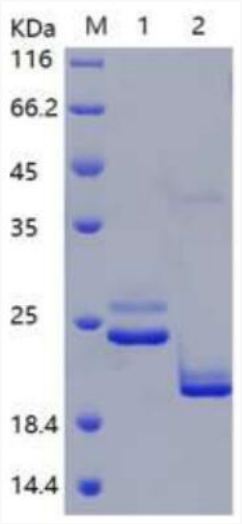
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Endotoxin	Less than 0.1 EU/ug.
Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	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.
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	RBP4 retinol binding protein 4 [Homo sapiens (human)]
Official Symbol	RBP4
Synonyms	Plasma retinol-binding protein; retinol binding protein 4, plasma; RetinolBinding Protein 4; retinol-binding protein 4; RDCCAS; MCOPCB10
Gene ID	5950
mRNA Refseq	NM_001323517.

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Protein Refseq	NP_001310446.1
MIM	180250
UniProt ID	P02753
SDS-PAGE	

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