

Product datasheet for **TP724660**

RBP4 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Retinol-Binding Protein 4/RBP4 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	E19-L201
Tag:	C-8His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.2
Note:	Recombinant Human Retinol-Binding Protein 4 is produced by Human 293 Cells. The target gene encoding E19-L201 is expressed with a 8His tag at the C terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	5950
UniProt ID:	P02753
Synonyms:	Plasma retinol-binding protein; RBP4; retinol binding protein 4, plasma; RetinolBinding Protein 4; retinol-binding protein 4
Summary:	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).
Protein Families:	Druggable Genome, Secreted Protein


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