

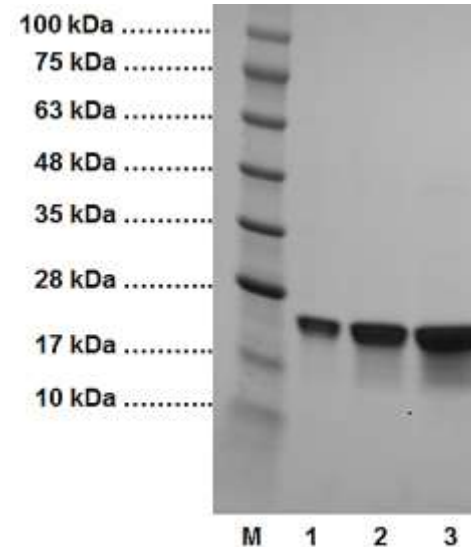
RBP4, Human Recombinant

CATALOG NO:	4940-20	20 µg
	4940-1000	1 mg (2 X 0.5 mg)
SYNONYMS:	Retinol Binding Protein 4, RBP-4, RBP4, Plasma retinol-binding protein, PRBP, RBP.	
SOURCE:	<i>E. coli</i>	
PURITY:	> 95 % by SDS-PAGE and RP-HPLC	
FORM:	Sterile filtered solution (1 mg/ml) in PBS, pH 7.4	
ENDOTOXIN LEVEL:	<1.0 EU per/ µg of protein (determined by LAL method)	

STORAGE CONDITIONS: Recombinant human RBP4 is best-stored at -20°C. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Avoid freeze/thaw cycles.

DESCRIPTION: Retinol binding protein 4(RBP4) belongs to the lipocalin family and is the specific carrier for retinol (vitamin A alcohol) in the blood. This protein was found to be expressed and secreted by adipose tissue, and was strongly associated with insulin resistance. It delivers retinol from the liver stores to the peripheral tissues. In plasma, the RBP-retinol complex interacts with transthyretin which prevents its loss by filtration through the kidney glomeruli. RBP4 delivers retinol from the liver to the peripheral tissues. In plasma, the rbp-retinol complex interacts with transthyretin, this prevents its loss by filtration through the kidney glomeruli. RBP-4 Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 184 amino acids and having a molecular mass of 21 kDa. The Retinol Binding Protein-4 is purified by proprietary chromatographic techniques.

AMINO ACID SEQUENCE: MERDCRVSSF RVKENFDKAR FSGTWYAMAK KDPEGLFLQD
 NIVAEFSVDE TGQMSATAKGRVRLNNDV CADMVGTFD TEDPAFKMK
 YWGVASFLQK GNDDHWIVDT DYDTYAVQYS CRLLNLDGTC ADSYSFVFSR
 DPNGLPPEAQ KIVRQRQEEL CLARQYRLIV HNGYCDGRSE RNLL



SDS-PAGE (4-20%) of Human RBP4:
 M: Protein Marker
 1: 1 µg Human RBP4
 2: 5 µg Human RBP4
 3: 10 µg Human RBP4

SDS-PAGE (4-20%) of Human RBP4: 1, 5 and 10 µg of Recombinant human RBP4 loaded in each lane under reducing conditions and stained with Coomassie Blue. Recombinant human RBP4 has a predicted MW of ~ 21 kDa.

RELATED PRODUCTS:

- RBP4, mouse recombinant (**7565-10, -50**)
- RBP4, rat recombinant (**7567-10, -50**)
- RBP4 Antibody (**3716-100**)
- RBP4 (human) Competitive ELISA Kit (**K4911-100**)
- RBP4 (human) ELISA Kit (**K4912-100**)
- RBP4 (rat/mouse) Competitive ELISA Kit (**K4913-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.