

Product information

RBP4, 19-201 aa

Human, Recombinant, *E.coli*

Cat. No. IBRBP0701

Full name: Retinol binding protein 4

NCBI Accession No.: NP_006735

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. Recombinant human RBP4 was expressed in *E.coli* and purified by using conventional chromatography techniques.

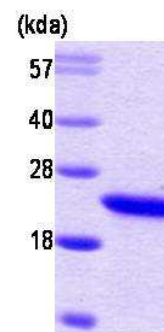
Form: Liquid. In Phosphate-Buffered Saline (pH 7.4)

Molecular Weight: 21 kDa (184 aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

MERDCRVSSF RVKENFDKAR FSGTWYAMAK KDPEGLFLQD NIVAEFSVDE TGQMSATAGK RVRLNNWDV CADMVGTFD TEDPAKFKMK
YWGVSFLQK GNDDHWIVDT DYDTYAVQYS CRLNLDGTC ADSYSFVFSR DPNGLPPEAQ KIVRQRQEEL CLARQYRLIV HNGYCDGRSE
RNLL

General references:

Yao-Borengasser A., *et al.* (2007) *J Clin Endocrinol Metab.* 92(7):2590-7.

McTernan PG., *et al.* (2007) *J Clin Endocrinol Metab.* 92(7):2430-2.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.