

RBP4, 19-201aa Human, Recombinant, E.coli

Cat.NO.: TP03697

3th Edition

Synonyms:Retinol binding protein 4

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.

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

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

Sequences:

MERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGQMSATAKGRVRLNNDVDCADM
VGTFTDTEPAKFKMKYWGVASFLQKGNDDHWIVDTDYDTYAVQYSCRLLNLDGTCADSYSFVFSRDPNGLPPEA
QKIVRQRQEELCLARQYRLIVHNGYCDGRSERNLL

Purity:> 95% by HPLC

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

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

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.