

Product datasheet for TP304635L

OriGene Technologies, Inc.

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RBP4 (NM 006744) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human retinol binding protein 4, plasma (RBP4), 1 mg

Species: Human Expression Host: HEK293T

Expression cDNA >RC204635 protein sequence
Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MKWVWALFLLAALGSGRAERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGQ MSATAKGRVRLLNNWDVCADMVGTFTDTEDPAKFKMKYWGVASFLQKGNDDHWIVDTDYDTYAVQYSCRL

LNLDGTCADSYSFVFSRDPNGLPPEAQKIVRQRQEELCLARQYRLIVHNGYCDGRSERNLL

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 21 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

RefSeg: NP 006735

 Locus ID:
 5950

 UniProt ID:
 P02753

 RefSeq Size:
 941



Cytogenetics: 10q23.33

RefSeq ORF: 603

Synonyms: MCOPCB10; RDCCAS

Summary: This protein belongs to the lipocalin family and is the specific carrier for retinol (vitamin A

alcohol) in the blood. 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

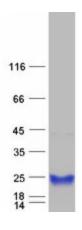
the kidney glomeruli. A deficiency of vitamin A blocks secretion of the binding protein

posttranslationally and results in defective delivery and supply to the epidermal cells. [provided

by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified RBP4 protein (Cat# [TP304635]). The protein was produced from HEK293T cells transfected with RBP4 cDNA clone (Cat# [RC204635]) using MegaTran 2.0 (Cat# [TT210002]).