

Product datasheet for **TP304635**

RBP4 (NM_006744) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human retinol binding protein 4, plasma (RBP4), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC204635 protein sequence Red =Cloning site Green =Tags(s) MKVWWALFLLAALGSGRAERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGG MSATAKGRVRLNNDVDCADMVGTFTDTEPAKFKMKYWGVASFLQKGNDDHWIVDTDYDTYAVQYSCRL LNLDTGCADSYFVFSRDPNGLPPEAQKIVRQRQEELCLARQYRLIVHNGYCDGRSERNLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_006735 |
| Locus ID: | 5950 |
| UniProt ID: | P02753 |
| RefSeq Size: | 941 |



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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]).