

Product datasheet for **TP304635M**

RBP4 (NM_006744) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human retinol binding protein 4, plasma (RBP4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204635 protein sequence Red =Cloning site Green =Tags(s) MKVWWALFLLAALGSGRAERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGG MSATAKGRVRLNNDVDCADMVGTFTDTEPAKFKMKYWGVSFLQKGNDDHWIVDTDYDITYAVQYSCL LNLDTGTCADSYFVSRDPNGLPPEAQKIVRQRQEELCLARQYRLIVHNGYCDGRSERLL 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]).