

# Recombinant Human RBP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RBP4-781H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	RBP4 MS Standard C13 and N15-labeled recombinant protein (NP_006735) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	23 kDa
<b>AA Sequence</b>	MKWVWALFLLAALGSGRAERDCRVSSFRVKENFDKARFSGTWYAMAKKDPEGLFL QDNIVAEFVSDETGMQSATAKGRVRLNNDVDCADMVGTFTDTEPAKFKMKYWG VASFLQKGNDDHWIVDTDYDTYAVQYSCRLLNLDGTCADSYSFVFSRDPNGLPPEA QKIVRQRQEELCLARQYRLIVHNGYCDGRSERNLLTRTRPLEQKLISEEDLAANDILD YKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

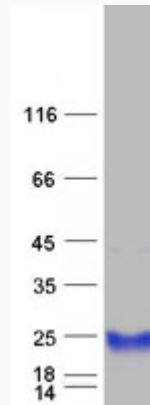
<b>Gene Name</b>	RBP4 retinol binding protein 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	RBP4
<b>Synonyms</b>	RBP4; retinol binding protein 4, plasma; retinol-binding protein 4; RBP; PRBP; plasma retinol-binding protein; retinol-binding protein 4, interstitial;
<b>Gene ID</b>	5950
<b>mRNA Refseq</b>	NM_006744
<b>Protein Refseq</b>	NP_006735
<b>MIM</b>	180250
<b>UniProt ID</b>	P02753

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**SDS-PAGE**



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