

## Recombinant Full Length Human C4BPB Protein

Cat. No. C4BPB-43HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human C4 binding protein with N terminal proprietary tag; predicted MWt: 53.35 kDa including the tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	252 amino acids
<b>Description</b>	<p>This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing gives rise to multiple transcript variants.</p>
<b>Form</b>	Liquid
<b>Molecular Mass</b>	53.350kDa inclusive of tags

 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>AA Sequence</b>	MFFWCACCLM VAWRVASDE HCPPELPPVDN SIFVAKEVEG QILGTYVCIK GYHLVGKKTL FCNASKEWDN TTTECRLGHC PDPVLVNGEF SSSGPVNVSD KITFMCNDHY ILKGSNRSQC LEDHTWAPPF PICKSRDCDP PGNPVHGYFE GNNFTLGSTI SYYCEDRYYL VGVQEQQCVD GEWSSALPVC KLIQEAPKPE CEKALLAFQE SKNLCEAMEN FMQQLKESGM TMEELKYSLE LKKAELKAKL L
<b>Purity</b>	Proprietary Purification
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
<b>Storage Buffer</b>	pH: 8.00. Constituents: 0.3% Glutathione, 0.79% Tris HCl.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	C4BPB complement component 4 binding protein, beta [ Homo sapiens ]
<b>Official Symbol</b>	C4BPB
<b>Synonyms</b>	C4BPB; complement component 4 binding protein, beta; C4BP, complement component 4 binding protein, beta; C4b-binding protein beta chain; C4b binding protein; beta chain; complement component 4 binding protein
<b>Gene ID</b>	725
<b>mRNA Refseq</b>	NM_000716
<b>Protein Refseq</b>	NP_000707
<b>MIM</b>	120831

 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



UniProt ID

P20851

 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