

Recombinant Full Length Human C4BPB Protein

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

SPECIFICATION

Product Overview	Recombinant full length Human C4 binding protein with N terminal proprietary tag; predicted MWt: 53.35 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	252 amino acids
Description	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.
Form	Liquid
Molecular Mass	53.350kDa inclusive of tags

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

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UniProt ID

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