

Recombinant Human Complement Component 4 Binding Protein, Beta, His-tagged

Cat. No. C4BPB-6970H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human C4BPB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	18-252aa
Description	C4BPB is 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 of this protein 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.15M NaCl.
Molecular Mass	29.0 kDa(260aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSDAEH CPELPPVDNS IFVAKEVEGQ ILGTYVCIKG YHLVGKKTIF CNASKEWDNT TTECRLGHCP DPVLVNGEFS SSGPVNVSDK ITFMCNDHYI LKGSNRSQCL EDHTWAPPFP ICKSRDCDPP GNPVHGYFEG NNFTLGSTIS YYCEDRYLV GVQEQQCVDG EWSSALPVCK LIQEAPKPEC EKALLAFQES KNLCEAMENF MQLKESGMT MEELKYSLEL

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

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; C4BP;
Gene ID	725
mRNA Refseq	NM_000716
Protein Refseq	NP_000707
MIM	120831
UniProt ID	P20851

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Chromosome Location	1q32
Pathway	Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Pertussis, organism-specific biosystem;

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