

Complement Component 4 Beta Recombinant Protein | C4BPB recombinant protein

Recombinant Human Complement Component 4 Binding Protein, Beta

CATALOG # AAA38967	HOST E Coli
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PRODUCT SYNONYMS

Complement Component 4 Beta; Recombinant Human Complement Component 4 Binding Protein; Beta; C4b-binding protein beta chain; C4BPB; C4BP.; C4BPB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	C4BPB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol and 0.15M NaCl. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGSHM u>SDAEHCPE LPPVDNSIFV AKEVEGQILG TYVCIKGYHL VGKKTLCNA SKEWDNTTTE CRLGHCPDPV LVNGEFSSSG PVNVSDKITF MCNDHYILKG SNRSQCLEDH TWAPFPICK SRDCDPPGNP VHGYFEGNNF TLGSTISYYC EDYYLVGVQ EQQCVDGEWS SALPVCKLIQ EAPKPECEKA LLAFAQESKNL CEAMENFMQQ LKESGMTMEE LKYSLELKKA ELKAKLL. u>
Sequence Length	252
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for C4BPB recombinant protein	Description: C4BPB Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 260 amino acids (18-252 a.a) and having a molecular mass of 29kDa.C4BPB is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Complement Component 4 Binding Protein, Beta (C4BPB) belongs to a superfamily of proteins composed primarily of tandemly arrayed short consensus repeats of approximately 60 amino acids. C4BPB has a regulatory role in the coagulation system also, mediated via the beta-chain binding of protein S, a vitamin K-dependent protein which functions as a cofactor of activated protein C. A single, unique beta-chain of the C4BPB assembles with 7 identical alpha-chains into the principal isoform of C4BPB, which is a multimeric protein that controls activation of the complement cascade via the classical pathway. C4BPB binds as a cofactor to C3b/C4b inactivator (C3bINA), which subsequently hydrolyzes the complement fragment C4b. In addition, C4BPB accelerates the degradation of the C4bC2a complex (C3 convertase) by detaching the complement fragment C2a. Furthermore, C4BPB interacts with anticoagulant protein S and with serum amyloid P component.
Product Categories/Family for C4BPB recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Complement Component

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502505
NCBI GeneID	725
NCBI Accession #	NP_000707.1
NCBI GenBank Nucleotide #	NM_000716.3

UniProt Accession #	P20851; Q5VVR0; Q9BS25; A5JYP8; D3DT81
Molecular Weight	28,286 Da
NCBI Official Full Name	C4b-binding protein beta chain isoform 1
NCBI Official Synonym Full Names	complement component 4 binding protein, beta
NCBI Official Symbol	C4BPB
NCBI Official Synonym Symbols	C4BP
NCBI Protein Information	C4b-binding protein beta chain
UniProt Protein Name	C4b-binding protein beta chain
UniProt Gene Name	C4BPB
UniProt Entry Name	C4BPB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/c4bpb-recombinant-protein-e-coli/38967>