

Recombinant Human C4BPA protein, His-tagged

Cat. No. C4BPA-46H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C4BPA(49-597 aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	49-597 aa
Description	This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. 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. Two pseudogenes of this gene are also found in the cluster.
Form	Tris-based buffer,50% glycerol
AA Sequence	NC GPPPTLSFAA PMDITLTETR FKTGTTLKYT CLPGYVRSHS TQTLTCNSDG EWVYNTFCIY KRCRHPGELR NGQVEIKTDL SFGSQIEFSC SEGFFLIGST TSRCEVQDRG VGWSHPLPQC EIVKCKPPPD IRNGRHSCEE NFYAYGFSVT YSCDPRFSLG GHASISCTVE NETIGVWRPS PPTCEKITCR KPDVSHGEMV SGFGPIYNYK DTIVFKCQKG FVLRGSSVIH CDADSKWNPS PPACEPNSCI

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NLPDIPHASW ETYPRPTKED VYVVGTVLRY RCHPGYKPTT DEPTTVICQK
 NLRWTPYQGC EALCCPEPKL NNGEITQHRK SRPANHCVYF YGDEISFSCH
 ETSRFSaICQ GDGTWSPRTP SCGDICNFPP KIAHGHYKQS SSYSFFKEEI
 IYECDKGYIL VGQAKLSCSY SHWSAPAPQC KALCRKPELV NGRLSVDKDQ
 YVEPENVTIQ CDSGYGVVGP QSITCSGNRT WYPEVPKCEW ETPEGCEQVL
 T GKRLMQCLP NPEDVKMALE VYKLSLEIEQ LELQRDSARQ STLDKEL

Purity >90% (SDS-PAGE)

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade.

GENE INFORMATION

Gene Name C4BPA complement component 4 binding protein, alpha [Homo sapiens]

Official Symbol C4BPA

Synonyms C4BPA; complement component 4 binding protein, alpha; C4BP, complement component 4 binding protein, alpha; C4b-binding protein alpha chain; proline-rich protein; PRP; C4BP;

Gene ID 722

mRNA Refseq NM_000715

Protein Refseq NP_000706

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MIM	120830
UniProt ID	P04003
Chromosome Location	1q32
Pathway	CD40/CD40L signaling, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Pertussis, organism-specific biosystem;
Function	protein binding;

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