



Recombinant Rat C4b-binding protein alpha chain (C4bpa)

Product Code	CSB-EP733945RA-B
Abbreviation	C4bpa
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q63514
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	KCGPPPD LPYALPASEM NQTDFESHTT LRYNCRPGYS RASSSQSLYC KPLGKWQINI ACVKKSCRNP GDLQNGKVEV KTDFLFGSQI EFSCSEGYIL IGSSTSYCEI QGKGVSWSDP LPECVIAKCG MPPDISNGKH NGREEFFTY RSSVTYKCDP DFTLLGNASI TCTVVNKTVG VWSPSPPTCE RIICPWPVKL HGTINSGFKH TYKYKDSVRF VCQKGFVLRG SGVIHCEADG SWSPVPVCEL NSCTDIPDIP NAALITSPRP RKEDVYPVGT VLRYICRPGY EPATRQPMTV ICQKDLWSM LRGCKEICCP VPDPKSVRVI QHEKAHPDND CTYFFGDEV YTCQNDIMLT ATCKSDGTWH PRTPSCHQSC DFPPAIAHGR YTKSSSYV TQVTYECEEG YRLVGEATIS CWYSQWTPAA PQCKALCRKP EIGNVGLSTN KDQYVETENV TIQCDSGFVM LGSQSITCSE NGTWYPKVS CEQEVPKDCE HVFAGKLMQ CLPNSNDVKM ALEVYKLTLE IKQLQLQIDK AKHVDREL
Source	E.coli
Target Names	C4bpa
Protein Names	Recommended name: C4b-binding protein alpha chain Short name= C4bp
Expression Region	14-558
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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