



# Recombinant Rat C4b-binding protein alpha chain (C4bpa)

<b>Product Code</b>	CSB-BP733945RA
<b>Abbreviation</b>	C4bpa
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q63514
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	KCGPPPD LPYALPASEM NQTD FESHTT LRYNCRPGYS RASSSQSLYC KPLGKWQINI ACVKKSCRNP GDLQNGKVEV KTD FLFGSQI EFSCSEGYIL IGSSTSYCEI QGKGVSWSDP LPECVIAKCG MPPDISNGKH NGREEFFTY RSSVTYKCDP DFTLLGNASI TCTVVNKT VG VWSPSPPTCE RIICPWPVKL HGTINSGFKH TYKYKDSVRF VCQKGFVLRG SGVIHCEADG SWSPVPVCEL NSCTDIPDIP NAALITSPRP RKEDVYPVGT VLRYICRPGY EPATRQPMTV ICQKDLWSM LRGCKEICCP VPDPKSVRVI QHEKAHPDND CTYFFGDEV S YTCQNDIMLT ATCKSDGTWH PRTPSCHQSC DFPPAIAHGR YTKSSSYV R TQVTYECEEG YRLVGEATIS CWYSQWTPAA PQCKALCRKP EINGV LSTN KDQYVETENV TIQCDSGFVM LGSQSITCSE NGTWYPKVSR CEQEV PKDCE HVFAGKLMQ CLPNSNDVKM ALEVYKLTLE IKQLQLQIDK AKHVDREL
<b>Source</b>	Baculovirus
<b>Target Names</b>	C4bpa
<b>Protein Names</b>	Recommended name: C4b-binding protein alpha chain Short name= C4bp
<b>Expression Region</b>	14-558
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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