



# Recombinant Rat Complement component C8 beta chain (C8b)

<b>Product Code</b>	CSB-EP004195RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P55314
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SVDVTPA PTDCQLSTWS SWTACDPCQK KRYRHTYLLR PSQFYGELCD FSDKEVEDCV TNRACRSQVR CEGFVCAQTG RCVNRRLLCN GDNDCGDQSD EANCRRYYKK CSQDMEQYWA IGNLASGINL FTNTFEGPVL DHRYYAGACS PHYILNTNFR KPYNVESYTP QTQGYEFAL TEYESYDFE HNVTEKATSK SSFKFGFKLD GLVEFGVRKE SNEGRHYISR TKRFSHTKSK FLHARSVLEV AHYKLKSRQL MLHYEFLQRV KSLPLEYSYG EYRDLLRDFG THFITEAVLG GIYEYTLIMN KDAMERGDYT LDHVSACAGG GFQIGGNVYK VYLKLGVSEK KCSDILNEIK DRNKRRTMVE DLVVLVRGGT SEYITSLAYK DLPTAELMKE WGDVQYNPA IIKLKAEPY ELVTATDFAY SSTVKQNMKK ALEEFQMEVS SCRCAPCRNN GVPILKESRC ECICPAGFQG VACEVTNRKD IPIDGKWSCW SDWSPCSGGR KTRQRQCNNP APQRGGSPCS GPASETLDLC
<b>Source</b>	E.coli
<b>Target Names</b>	C8b
<b>Protein Names</b>	Recommended name: Complement component C8 beta chain Alternative name(s): Complement component 8 subunit beta
<b>Expression Region</b>	54-589
<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>	C8 beta is one of the three subunits that comprise the component 8 (C8) of the complement system. C8 participates in the formation of Membrane Attack Complex that results in the lysis of cells. Patients with C8B deficiency are prone to bacteria infection.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.