



Recombinant Mouse C4b-binding protein (C4bpa)

Product Code	CSB-EP003951MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08607
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	KCGP PPAIPNALPA SDVNRTDFES HTTLKYECLP GYGRGISRMM VYCKPSGEWE ISVSCAKKHC RNPGYLDNGY VNGETITFGS QIEFSCQEGF ILVGSSTSSC EVRGKGVAWS NPFPECVIVK CGPPDISNG KHSGETDFYP YNHGISYTC D PGFRLVGSPF IGCTVVNKT V PVWSSSPPTC EKII CSQPN I LHGVI VSGYK ATYTHRDSVR LACLNGTVLR GRHVIECQGN GNWSSLPTCE FDCDLPPAIV NGYYTSMVYS KITLVTYECD KGYRLVGKAI ISCSFSKWKG TAPQCKALCQ KPEVGNGLS DEKDQYVESE NVTIQCDSGF AMLGSQSISC SESGTWYPEV PRCEQEASED LKPAL TG NKT MQYVPNSHDV KMALEIYKLT LEVLLQLQI QKEKHTEAH
Source	E.coli
Target Names	C4bpa
Protein Names	Recommended name: C4b-binding protein Short name= C4bp
Expression Region	57-469
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	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.