



Recombinant Mouse Complement component C8 alpha chain (C8a)

Product Code	CSB-EP812964MO-B
Abbreviation	C8a
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.	Q8K182
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	AVTPQAVSCQ LSDWYKWTDC FPCQDKKYRY RLLQPSKFG GTICSGDIWD EASCDSPTPC LRQAQCGQDF QCRETGRCLK RHLVCNGDND CLDGSDESDC EDVRVTEDDC HQYEPIGSE RAALGYNILT QEEAQSVDYA KYYGGQCETV YNGDWRKRLRY DPTCERLYYG EDEKYFRKPY NFLKYHFEAL ADTSISSEFY DDANDLFFHI KNGKSHSAGV TVGVAPVKSP VSIEVTGSGS KASSFLNKLN KYNEKRYGFM RVSTKIQTAQ FKMRRNNIVL DEGMLQSLME LPEQFNMYGMY AKFINDYGTH YITSGTMGGI YEYVMVLDKE KMKTEGTTVD EVQKCIGGGI GIGIKDSTIE GVGISGEFCE NSGDGDRDIR KKITGVEDII SRVQGGSSVW GSVLTHNSSA ITYQSWGRSL KYNPVIDFE MQPIYQLLRH TNLGPLETKR QNLRRALDQY LMEFNACRCG PCFNNGEPIL DGTNCRQCQS MGRQGLACER TVIEGLKDFK AAGHWSCWSS WSECRGGSQE RRRQCNNPPP KNGGTPCLGR NLQTQAC
Source	E.coli
Target Names	C8a
Protein Names	Recommended name: Complement component C8 alpha chain Alternative name(s): Complement component 8 subunit alpha
Expression Region	31-587
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	C8 is a component of the complement system and contains three polypeptides, alpha, beta and gamma. This gene encodes the alpha subunit of C8. C8 participates in the formation of the membrane attack complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause complement C8 alpha-gamma deficiency.



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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