



# Recombinant Human Complement component C8 alpha chain (C8A)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP004194HU-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P07357  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | AATPAAVTCQ LSNWSEWTDC FPCQDKKYRH RSL LQPNKFG GTICSGDIWD<br>QASCSSTTC VRQAQCGQDF QCKETGRCLK RHLVCNGDQD<br>CLDGSEDDDC EDVRAIDEDC SQYEPIPGSQ KAALGYNILT QEDAQSVYDA<br>SYYGGQCETV YNGEWRELRY DSTCERLYYG DDEKYFRKPY NFLKYHFEAL<br>ADTGISSEFY DNANDLLSKV KKDKSDFGV TIGIGPAGSP LLVGVGVSHS<br>QDTSFLNELN KYNEKKFIFT RIFTKVQTAH FKMRKDDIML DEGMLQSLME<br>LPDQYNYGMY AKFINDYGTH YITSGSMGGI YEYILVIDKA KMESLGITSR<br>DITTCFGGSL GIQYEDKINV GGGLSGDHCK KFGGGKTERA RKAMAVEDII<br>SRVRGGSSGW SGGLAQNRST ITYRSWGRSL KYNPVVIDFE MQPIHEVLRH<br>TSLGPLEAKR QNLRRALDQY LMEFNACRCG PCFNNGVPIL EGTSCRCQCR<br>LGSLGAACEQ TQTEGAKADG SWSCWSSWSV CRAGIQERRR<br>ECDNPAPQNG GASCPGRKVQ TQAC |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | C8A   |
| <b>Protein Names</b>     | Recommended name: Complement component C8 alpha chain<br>Alternative name(s): Complement component 8 subunit alpha  |
| <b>Expression Region</b> | 31-584  |
| <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 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.  |
| <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.

### 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.