

## Recombinant Human C8 $\gamma$

Catalog No: CH44

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| <b>Description</b>       | Recombinant Human Complement component C8 gamma chain is produced by our E.coli expression system and the target gene encoding Gln21-Arg202 is expressed with a 6His tag at the N-terminus. |
| <b>Expression System</b> | E.coli  |
| <b>Alternative name</b>  | Complement component C8 gamma chain;C8G   |
| <b>Accession No.</b>     | P07360  |

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| <b>Quality Control</b> | Purity: greater than 95% as determined by reducing SDS-PAGE.<br>Endotoxin: less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test. |
| <b>Formulation</b>     | Supplied as a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4.   |
| <b>Shipping</b>        | The product is shipped on dry ice pack.<br>Upon receipt, store it immediately at the temperature listed below.                                  |
| <b>Storage</b>         | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.<br>Please minimize freeze-thaw cycles.                 |

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| <b>Background</b> | Complement component C8 is a constituent of the membrane attack complex, C8 alpha, C8 beta and C8G. C8G is a secreted protein and consists a disulfide-linked C8 alpha-gamma heterodimer and a non-covalently associated C8 beta chain. C8 alpha and C8 beta play an important role in complement-mediated bacterial killing together. C8 is involved in the formation of Membrane Attack Complex on bacterial cell membranes. C8 binds to the C5B-7 complex, forming the C5B-8 complex. C5-B8 binds C9 and acts as a catalyst in the polymerization of C9. The gamma subunit seems to be able to bind retinol. Patients lacking C8 are susceptible to certain bacterial infections. |
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### SDS-PAGE

