

## 32-8329: Recombinant Human Complement Component C8 gamma Chain/C8G (N-6His)

**Gene :** C8G  
**Gene ID :** 733  
**Uniprot ID :** P07360

### Description

Source: E. coli.  
MW :22.6kD.

Recombinant Human Complement component C8 gamma 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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMQKPQRPRRPASPISTIQPKANFDAQQFAGTWLLVAVGSACRFLQEQGHRA  
EATTLHVAPQGTAMAVSTFRKLDGICWQVRQLYGDTGVLGRFLLQARGARGAVNNVVAETDYQSFVLYLER  
AGQLSVKLYARSLPVSDSVLSGFQVRVQEAHLTEDQIFYFPKYGFCEAADQFHVLDEVRR

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.