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C3
Native Human Complement C3c

Catalog No.	CSI19505	**Quantity:**	250 µg

Alternate Names: Complement C3c, Complement component 3c

Description: C3c is derived from iC3b (inactivated C3b) by proteolytic cleavage. iC3b is created by cleavage of C3b by factor I in the presence of factor H, CR1 or MCP. C3c can be produced by an additional cleavage by factor I if the iC3b is bound to CR1. Factor H cannot serve as a cofactor for this cleavage. C3c can also be produced by the action of trypsin-like proteases on iC3b. If the C3b precursor was attached to a surface, then the iC3b will remain attached to that surface and when iC3b is cleaved the C3c is released into the surrounding solution while the C3dg/C3d fragment remains on that surface. The breakdown of fluid phase C3b is similar, but in this case both C3c and C3dg/C3d are soluble fragments.

UniProt ID: P01024

Gene ID: 718

Source: Human serum

Molecular Weight: 139 kDa three chains

Formulation: Sterile-filtered PBS, pH 7.2

Extinction Coefficient: $E^{0.1\%}_{280nm} = 1.10$

Purity: ≥ 90% by SDS-PAGE

Volume: lot specific

Concentration: 1.0 mg/ml, lot specific

Contaminants: Trace amounts of IgG, IgA, IgM, albumin, C5, Factor B, Factor H, Factor I by immunochemistry.

Storage & Stability: Store unopened, as supplied at -80°C for up to 1 year. Thaw vial quickly in a 37°C water bath, mix, and immediately place on ice. Prepare aliquots, store at -80°C. **>10% activity loss per thaw. Avoid freeze/thaw.**

Infectious Disease Statement: Prepared from serum shown by FDA-certified tests to be negative for HBsAg, negative by anti- Hbc, HCV, HIV-1/2, Syphilis and negative by NAT for RNA from HIV-1, HCV, HBV, Zika, HTLV-1/2, WNV.

Country of Origin: USA

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