

Native Human C3c Protein

Cat. No. C3c-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C3c is derived from iC3b (inactivated C3b) by proteolytic cleavage. Extinction Coefficient: A280 nm = 1.10 at 1.0 mg/mL
Species	Human
Source	Human Serum
Description	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.
Form	Frozen liquid
Molecular Mass	139 kDa (3 chains)
Purity	> 90% by SDS-PAGE
Storage	At -70 centigrade or below. Avoid freeze/thaw.
Concentration	1 mg/mL

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Storage Buffer	10 mM Sodium phosphate, 145 mM NaCl, pH 7.2
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Preservative	None, 0.22 µm filtered.
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GENE INFORMATION

Official Symbol	C3c
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Synonyms	acylation-stimulating protein cleavage product; AHUS5; ARMD9; ASP; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3; c3 complement; C3a anaphylatoxin; C3a; C3b; CO3; Complement C3; Complement C3c alpha' chain fragment 2; Complement C3c; Complement component 3; Complement component C3; Complement component C3a; Complement component C3b; Complement factor 3; CPAMD1; Prepro C3
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