

Native Human Plasma COMPLEMENT C (C3)

Cat. No. C3-8092H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Plasma COMPLEMENT C (C3) was purified from Human Plasma.
Species	Human
Source	Human Plasma
Description	Human C3c produced in Human Plasma having a molecular mass of 180 KDa. Human C3c component is central in both complement activation pathways, with different specific proteolytic systems cleaving it to form C3 convertase. Cleavage of C3 releases C3a and the C3b fragment which is part of the alternative C3 convertase. Complement C3 levels can be low because of decreased synthesis or due to consumption. High human complement (C3) levels are seen in highly acute or chronic inflammation, hepatic cholestasis and during the third trimester of pregnancy.
Form	Sodium phosphate buffer pH 7.2 containing 0.15M NaCl.
Purity	>99% SDS-PAGE
Stability	1 year
Storage	-20 °C
Concentration	Typically >2.0 mg/mL

GENE INFORMATION

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Gene Name	C3 complement component 3 [Homo sapiens]
Official Symbol	C3
Synonyms	C3; complement component 3; complement C3; CPAMD1; complement component C3; acylation-stimulating protein cleavage product; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; ASP; AHUS5; ARMD9;
Gene ID	718
mRNA Refseq	NM_000064
Protein Refseq	NP_000055
MIM	120700
UniProt ID	P01024
Chromosome Location	19p13.3-p13.2
Pathway	Activation of C3 and C5, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alternative complement activation, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem;
Function	endopeptidase inhibitor activity; protein binding; receptor binding;

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