

Complement C3 Active Protein | C3 active protein

Complement C3 protein

CATALOG # AAA75344	HOST Human serum/plasma
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PRODUCT SYNONYMS

Complement C3; Complement C3 protein; C3 protein; C3 active protein

PRODUCT SPECIFICATIONS

Host	Human serum/plasma
Purity/Purification	>95% by SDS-PAGE
Form/Format	Frozen liquid in PBS, pH 7.2 with no preservative. 0.22um filtered.
Concentration	1.11 mg/ml (varies by lot)
Sequence Length	1663
Species	Human
Protein Type	Native
Bioactivity	13,200 units/mg
Specific Activity	11,500 U/mg
Biohazard	The starting material has been tested and found negative for anti-HIV-1 and 2 Plus O, anti-HCV, anti-HBc, HBsAg, HTLV I/II, anti-Syphilis and HCV and HIV by NAT. Since no test method can completely assure the absence of infectious agents, full laboratory safety precautions should be followed.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Upon receipt, store at -70°C.

ADDITIONAL INFORMATION

Related Product Information for C3 active protein	Native human C3 is a naturally glycosylated polypeptide containing two disulfide-linked chains. C3 is central to the activation of all three pathways of complement activation. Initiation of each pathway generates proteolytic enzyme complexes (C3 convertases) which are bound to the target surface. These enzymes cleave a peptide bond in C3 releasing the anaphylatoxin C3a and activating C3b. For a brief time (~60 us) this nascent C3b is capable of reacting with and covalently coupling to hydroxyl groups on the target surface.
Product Categories/Family for C3 active protein	Immunology ; Native Protein ; Complements

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055.2
NCBI GenBank Nucleotide #	NM_000064.2
UniProt Accession #	P01024 ; A7E236

Molecular Weight	185 kDa
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP
UniProt Entry Name	CO3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-serum-plasma-active-protein/complement-c3/75344>