

Active Recombinant Human C3 protein, His-tagged

Cat. No. C3-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C3 protein(Ser 23 - Asn 1663), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser 23 - Asn 1663
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human Complement C3, His Tag at 1 µg/mL (100 µL/well) can bind Human Anti-C3, Human IgG1 Human Kappa with a linear range of 0.1-4 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 186.8 kDa. The protein migrates as 70 kDa, 100-120 kDa and 160-180 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile

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conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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

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