Active Recombinant Human C3 protein, His-Avi-tagged, Biotinylated

Cat. No. C3-1859H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human C3 protein(Ser 23 - Asn 1663), fused with His-Avi 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 Biotinylated Human Complement C3, His,Avitag at 1 μg/mL (100 μL/well)on streptavidin precoated (0.5 μg/well) plate 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-terminus, followed by an Avi tag (Avitag™)The protein has a calculated MW of 188.5 kDa. The protein migrates as 72 kDa,120-125 kDa and 200 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.

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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 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.
Conjugation	Biotin

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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