Active Recombinant Human C5a protein, Fc-tagged

Cat. No. C5a-2997H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C5a protein(Leu 679-Arg 751), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 679-Arg 751
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Complement C5a, Fc Tag at 2 μg/mL (100 μL/well) can bind Anti-C5a (Human IgG1) with a linear range of 2-16 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 34.6 kDa. The protein migrates as 38-40 kDa and 41-44 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% 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

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	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.

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