

Active Recombinant Human C5 protein, His-tagged, Low Endotoxin

Cat. No. C5-536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C5 protein(P01031-1)(Gln19-Cys1676), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-1676 aa
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Complement C5, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-Complement C5 Antibody, hFc Tag with the EC50 of 15.1ng/ml determined by ELISA.
Molecular Mass	Human Complement C5 Protein is cleaved into α chain and β chain by the enzyme lysis. Each chain has a predicted MW of 112.5 kDa (α chain) and 73.29 (β chain). Due to glycosylation, the protein migrates to 110-114 kDa (α chain) and 69-73 (β chain) based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC

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Storage Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name C5 complement component 5 [Homo sapiens]

Official Symbol C5

Synonyms C5; complement component 5; complement C5; CPAMD4; anaphylatoxin C5a analog; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4; FLJ17816; FLJ17822; MGC142298;

Gene ID 727

mRNA Refseq NM_001735

Protein Refseq NP_001726

MIM 120900

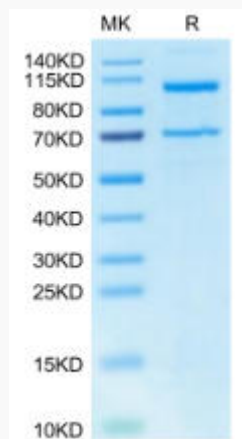
UniProt ID P01031

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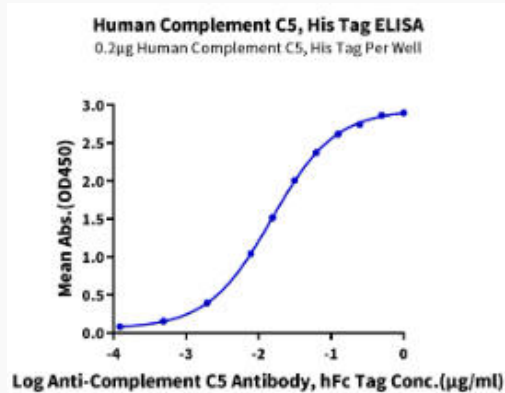
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Bis-Tris PAGE



ELISA Data



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