

## Active Recombinant Human C3

Cat. No. C3-603H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human C3 (Accession # NP_000055) Ser672-Arg748 was produced in E. coli-derived.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	672-748 a.a.
<b>Predicted N Terminal</b>	Ser672
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to enhance IL-6 secretion by human peripheral blood mononuclear cells (PBMC). Fischer, W.H. et al. (1999) J. Immunol. 162:453. The ED50 for this effect is typically 1.5 - 7.5 µg/mL.
<b>Molecular Mass</b>	Recombinant Human C3 has a calculated MW of 9.1 kDa.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	C3 complement component 3 [ Homo sapiens ]
<b>Official Symbol</b>	C3
<b>Synonyms</b>	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;
<b>Gene ID</b>	718
<b>mRNA Refseq</b>	NM_000064
<b>Protein Refseq</b>	NP_000055
<b>MIM</b>	120700
<b>UniProt ID</b>	P01024
<b>Chromosome Location</b>	19p13.3-p13.2

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