# Recombinant Human C3, His-tagged

**Cat. No.** C3-10522H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human C3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | C-term-350a.a. |
| **Description** | Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection. |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

## GENE INFORMATION

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| **Gene Name** | C3 complement component 3 [ Homo sapiens ] |
| **Official Symbol** | C3 |

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| **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 |
| **Chromosome Location** | 19p13.3-p13.2 |
| **Pathway** | Activation of C3 and C5, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alternative complement activation, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem; |
| **Function** | endopeptidase inhibitor activity; protein binding; receptor binding; |

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