

Complement C3 Protein, Human, Recombinant (His)

General Information

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| Synonyms: | HEL-S-62p;CPAMD1;ARMD9;C3b;ASP;C3a;AHUS5;complement component 3 |
| Protein Construction: | A DNA sequence encoding the human complement C3 (NP_000055.2) (Met1-Asn1663) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Ser23 |
| Species: | Human |
| Expression Host: | HEK293 Cells |
| Accession: | P01024 |
| Molecular Weight: | 186.43 kDa (predicted) |

QC Testing

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| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | ≥ 90 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

Preparation and Storage

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| Reconstitution: | Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot. |
| Stability & Storage: | It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small> |
| Shipping: | In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice. |

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