Human Complement component 3 Protein

Cat. No. CC3-HM101

Description

Source	Recombinant Human Complement component 3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ser23-Asn1663.
Accession	P01024
Molecular Weight	The protein has a predicted MW of 188.52 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 67-68 kDa, 110-115 kDa and 140-160 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

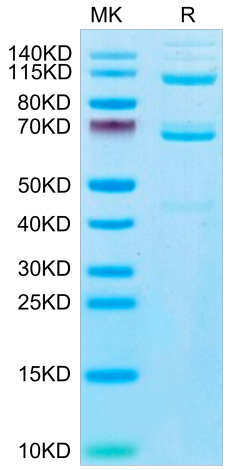
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Complement component 3 (C3), a pivotal molecule in the complement system, is an essential immune mediator in various diseases, including psoriasis. C3 deficiency promoted imiquimod-induced skin cell apoptosis and supported greater proportions of IFN-γ T cells in the inflamed tissues.

Assay Data

Tris-Bis PAGE



Human Complement component 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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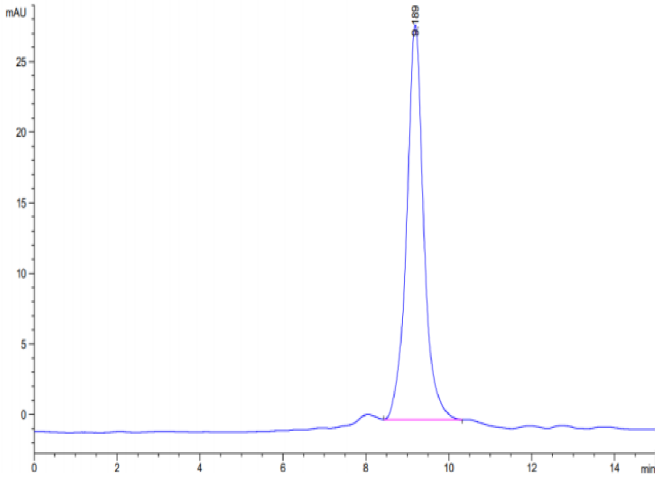
Assay Data



The purity of Human Complement component 3 is greater than 95% as determined by SEC-HPLC.