Human Complement Factor I Protein, Ultra Low Endotoxin

Cat. No. CFI-HM101-UL

Description

Source	Recombinant Human Complement Factor I Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Lys19-Val583.
Accession	P05156
Molecular Weight	The protein has a predicted MW of 64.58 kDa. Due to autocatalytic cleavage and glycosylation, the protein migrates to 40-47 kDa, 50-55 kDa and 75-95 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

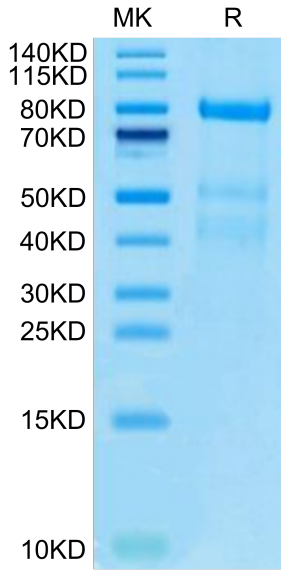
Formulation	Lyophilized from 0.22μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 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.

Background

Complement factor I (CFI) is a serine protease which plays a key role in the modulation of complement system and the induced-fit factor responsible for controlling the complement-mediated processes.

Assay Data

Bis-Tris PAGE



Human Complement Factor I on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC

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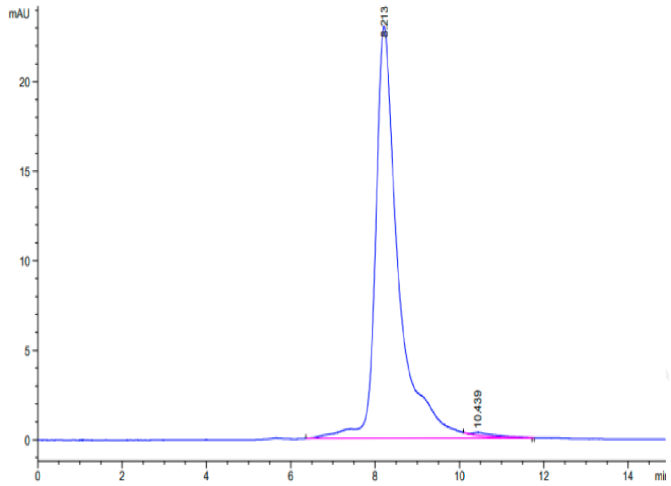

The purity of Human Complement Factor I is greater than 90% as determined by SEC-HPLC.