

Human Complement factor I Protein

Cat. No. CFI-HM101

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 enzyme lysis and glycosylation, the protein migrates to 75-95 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 20mM Tris, 150mM NaCl (pH 8.0). 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 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.

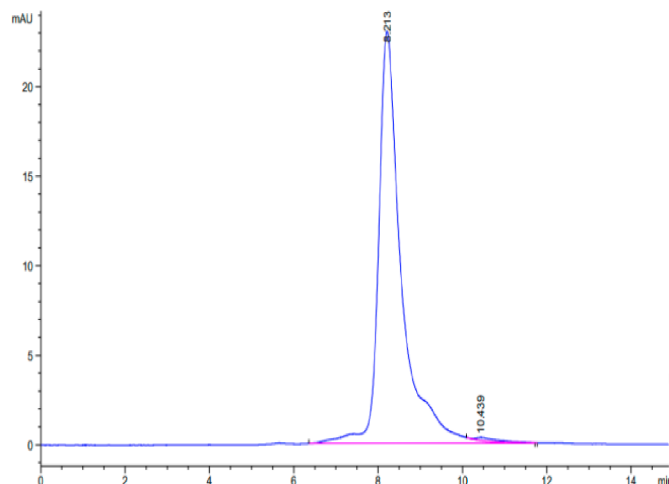
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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