Mouse Complement factor I Protein

Cat. No. CFI-MM101

Description

Source	Recombinant Mouse Complement factor I Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Arg19-Val603.
Accession	Q61129
Molecular Weight	The protein has a predicted MW of 66.39 kDa. Due to autocatalytic cleavage and glycosylation, the protein migrates to 80-100 kDa on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 90% as determined by Tris-Bis PAGE
	> 90% as determined by HPLC

Formulation and Storage

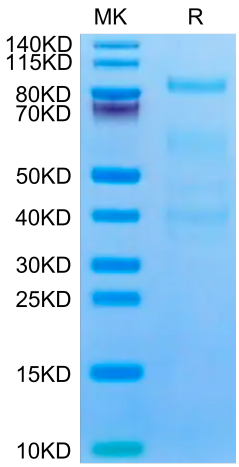
Formulation	Lyophilized from 0.22μm filtered solution in 50mM Tris, 150mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized 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.

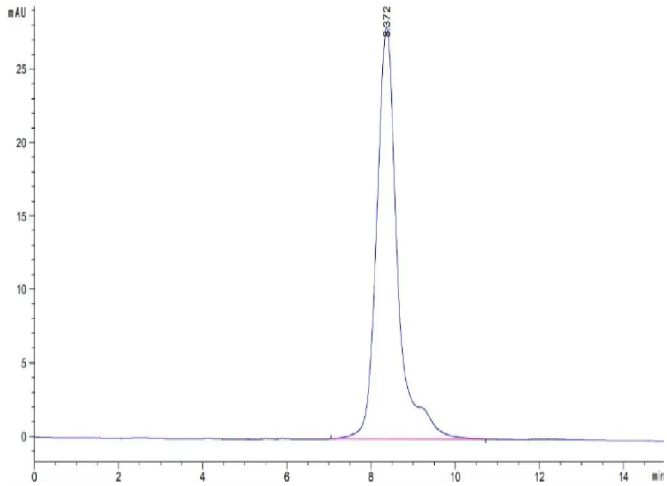
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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