

Human Complement C3 Protein

Cat. No. CC3-HM101



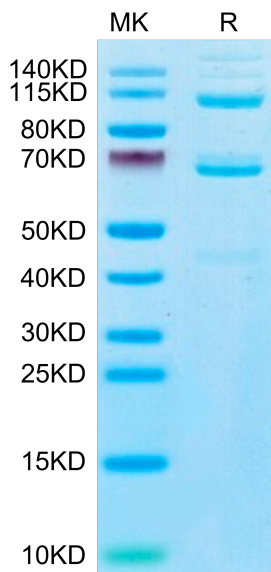
Description	
Source	Recombinant Human Complement C3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser23-Asn1663.
Accession	P01024
Molecular Weight	The protein has a predicted MW of 188.52 kDa. Due to enzyme lysis and glycosylation, the protein migrates to 67-68 kDa, 110-115 kDa and 140-160 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. 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.	

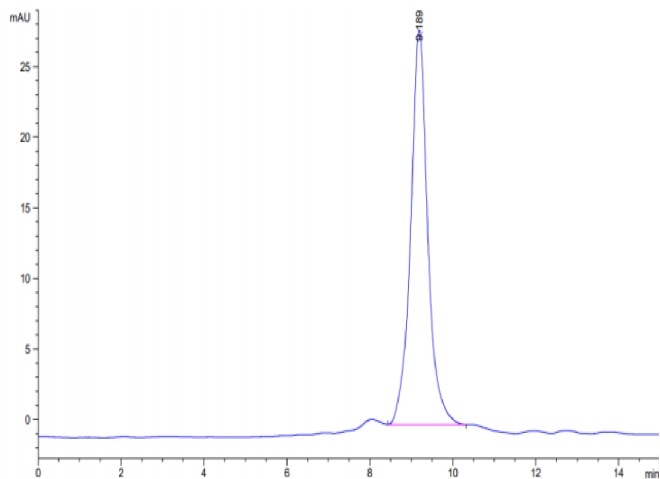
Assay Data

Bis-Tris PAGE



Human Complement C3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Complement C3 is greater than 95% as determined by SEC-HPLC.