

# Human Complement C3 Protein

Cat. No. CC3-HM101



## Description

<b>Source</b>	Recombinant Human Complement C3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser23-Asn1663.
<b>Accession</b>	P01024
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

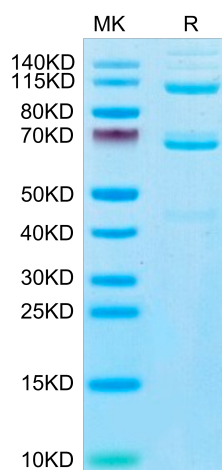
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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- $\gamma$  T cells in the inflamed tissues.

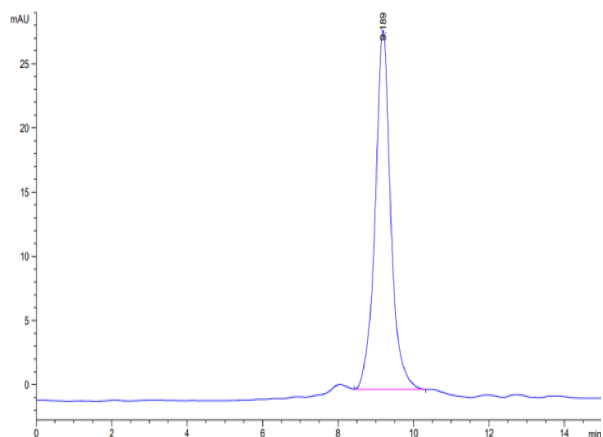
## Assay Data

### 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.