

Datasheet for ABIN7274037

**C3 Protein (AA 25-1663) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	C3
Protein Characteristics:	AA 25-1663
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C3 protein is labelled with His tag.

## Product Details

Purpose:	Mouse Complement component 3 Protein
Sequence:	Ile25-Asn1663
Characteristics:	Recombinant Mouse Complement component 3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile25-Asn1663.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	C3
Alternative Name:	Complement component 3 ( <a href="#">C3 Products</a> )

## Target Details

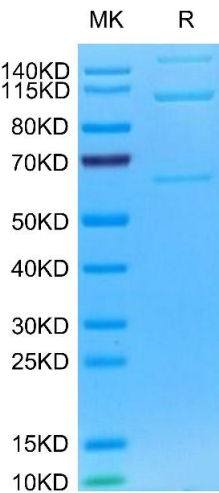
Background:	Complement component 3 (C3), a pivotal molecule in the complement system, is an essential immune mediator in various diseases, including psoriasis. C3 deficiency promoted imiquimod-induced skin cell apoptosis and supported greater proportions of IFN- $\gamma$ T cells in the inflamed tissues.
Molecular Weight:	187.86 kDa. Due to glycosylation, the protein migrates to 65-68 kDa, 110-115 kDa and 165-180 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Complement System</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Restrictions:	For Research Use only
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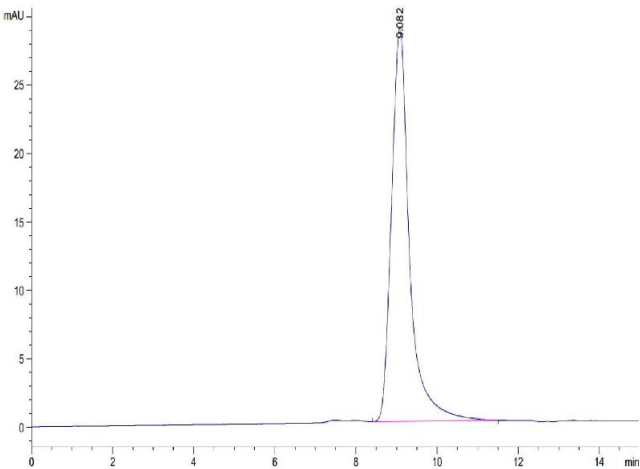
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Mouse Complement component 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse Complement component 3 is greater than 95 % as determined by SEC-HPLC.