

Rev02  
 Update: Aug,08,2025

**DATASHEET**

# CD46, His, Cynomolgus

Cat. No.: Z04123

## Product Introduction

<b>Species</b>	Cynomolgus
<b>Protein Construction</b>	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">           CD46 (Cys35-Asp329)            Accession # A0A2K5WCS2         </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;">           His         </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CD46, His, Cynomolgus at 5µg/ml (100µl/well) on the plate can bind Anti-CD46 Antibody, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	34.05 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** CD46 was discovered in 1986 during a search for novel C3b-binding proteins. CD46 is expressed ubiquitously and functions as a co-factor in the factor I-mediated proteolytic cleavage of C3b and C4b. Its vital role in preventing complement deposition on host tissue is underpinned by the fact that deficiency of CD46 is a predisposing factor for numerous disease conditions arising from complement-mediated 'self-attack'.

**Synonyms :** TLX; CD46; MCP; MIC10; AHUS2; TRA2.10

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

**GenScript USA, Inc.**

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

