

Rev03  
 Update: Aug,08,2025

**DATASHEET**

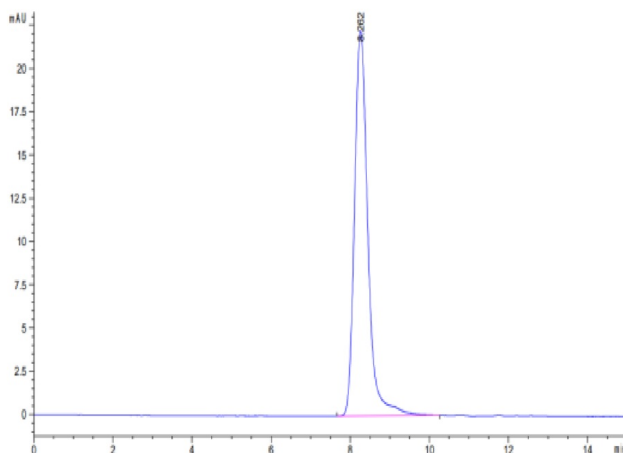
# TLR3, His, Cynomolgus

Cat. No.: Z04926

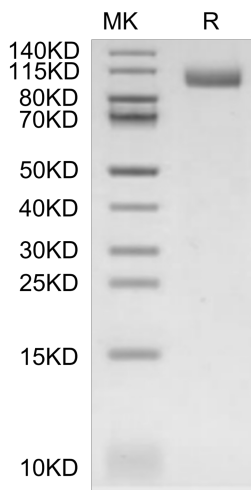
## Product Introduction

<b>Species</b>	Cynomolgus
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">           TLR3 (Ser31-Glu711)            Accession # A0A2K5WT39         </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;">           His         </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <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>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	78.04 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 95-115 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.

## Examples



The purity of TLR3, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.



TLR3, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

## Background

**Target Background :** TLR3 is expressed in the central nervous system (CNS), where it is required to control HSV-1, which spreads from the epithelium to the CNS via cranial nerves. TLR3 is also expressed in epithelial and dendritic cells, which apparently use TLR3-independent pathways to prevent further dissemination of HSV-1 and to provide resistance to other pathogens in TLR3-deficient patients. Human TLR3 appears to be redundant in host defense to most microbes but is vital for natural immunity to HSV-1 in the CNS, which suggests that neurotropic viruses have contributed to the evolutionary maintenance of TLR3.

**Synonyms :** TLR3; CD283; IIAE2

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

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