

Rev03  
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## DATASHEET

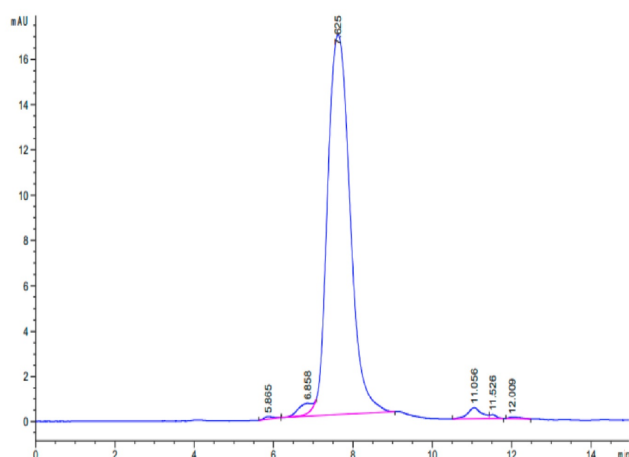
# TIM4, His, Cynomolgus

Cat. No.: Z04925

## Product Introduction

<b>Species</b>	Cynomolgus
<b>Protein Construction</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>TIM-4 (Glu25-Gln305)</b>            Accession # XP_005558436.2         </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-around; font-size: small; 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 $\mu\text{g}$ by the LAL method.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	31.55 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ 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 TIM4, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** Tim4 is a transmembrane protein as the phosphatidylserine (PS) receptor, known as T cell immunoglobulin and mucin domain containing protein-4. It is expressed highly in macrophages, and macrophage Tim-4 inhibits inflammation under various conditions of immune activation.

**Synonyms :** TIMD-4; TIMD4; TIM-4;

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