

Rev04  
 Update: Aug,20,2025

**DATASHEET**

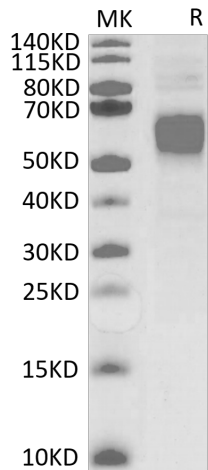
# Fc gamma RI/CD64, His & Avi, Human

Cat. No.: Z05275

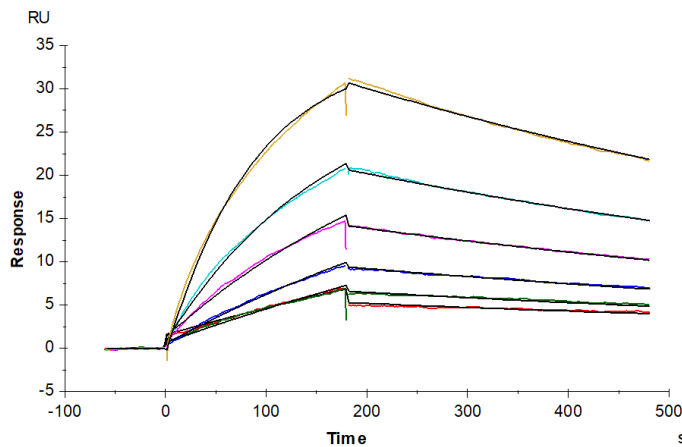
## Product Introduction

<b>Species</b>	Human
<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;">             Fc gamma RI/CD64 (Gln16-Pro288)              Accession # P12314-1           </div> <div style="background-color: #90c080; color: white; padding: 5px; text-align: center; margin: 0 5px;">His</div> <div style="background-color: #008000; color: white; padding: 5px; text-align: center; margin: 0 5px;">Avi</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 Bis-Tris PAGE
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Fc gamma RI/CD64, His & Avi, Human captured on CM5 Chip via antiHis antibody can bind Trastuzumab in SPR assay (Biacore T200). Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	33.5 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 for 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



Fc gamma RI/CD64, His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Fc gamma RI/CD64, His & Avi, Human, His Tag captured on CM5 Chip via anti-his antibody can bind Trastuzumab with an affinity constant of 5.25 nM as determined in SPR assay (Biacore T200).

## Background

**Target Background :** The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains; these groups are designated Fc gamma RI (also known as CD64), Fc gamma RII (CD32), and Fc gamma RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type.

**Synonyms :** CD64; CD64a; Fc gamma RI; FCG1; Fc-gamma RIA; FCGR1; FcγRI; FCRI; FcRIA; FLJ18345; FCGR1A; IGFR1; Fcr; Fcgr; FCE1A; FcERI; FcγRI; Fc γRI; Fc γ RI

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

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