

Rev03  
 Update: Aug,08,2025

**DATASHEET**

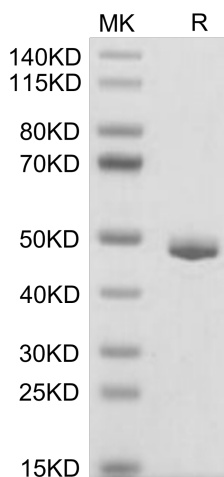
# CLEC7A hFc Chimera, Human

Cat. No.: Z05180

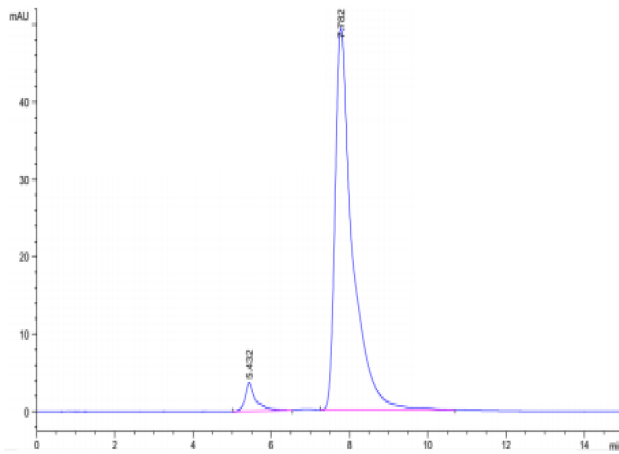
## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #4a7ebb; color: white; padding: 5px; font-weight: bold;">hFc</div> <div style="background-color: #0070c0; color: white; padding: 5px; font-weight: bold;">CLEC7A (Thr66-Met201) Accession # Q9BXN2-2</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>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	41.79 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 45-50 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



CLEC7A hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of CLEC7A hFc Chimera, Human is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** Dendritic cell-associated C-type lectin-1 (Dectin-1), also known as  $\beta$ -glucan receptor is an emerging pattern recognition receptor (PRR) which belongs to the family of C-type lectin receptor (CLR). Dectin-1 signaling axis has been suggested to be targeted as an effective therapeutic strategy for cancers. Dectin-1 has also been elucidated ascetically in the heart, respiratory, intestinal, neurological and developmental disorders.

**Synonyms :** Beta-glucan receptor; DC-associated C-type lectin 1; Dectin-1; Dectin1; CD369; BGR; CLECSF12; DECTIN1; CANDF4

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

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