

Rev02  
 Update: Aug,08,2025
**DATASHEET**

# IL-22R alpha 1&IL-10R beta hFc Chimera, Avi, Human

Cat. No.: Z05480

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;">             IL-22R alpha 1&amp; IL-10R beta [His16-Thr228 (IL-22R alpha 1) and Met20-Ser220 (IL-10R beta)]              Accession # O8N6P7 (IL-22R alpha 1) &amp; Q08334 (IL-10R beta)           </div> <div style="background-color: #90c17e; padding: 5px; text-align: center;">hFc</div> <div style="background-color: #4f81bd; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-between; 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>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human IL22, His Tag at 2µg/ml (100µl/well) on the plate can bind IL-22R alpha 1&IL-10R beta hFc Chimera, Avi, Human. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	52.07 kDa (IL-22R alpha 1) and 48.85 kDa (IL-10R beta)
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 68-75 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 :** IL-22Rα1 & IL-10Rβ are receptors for IL-22 and IL-10, mediate the activation of JAK-STAT, MAPK and other signaling pathways, and participate in the process of many inflammatory diseases. IL-22 Rα1 contains cytoplasmic motifs for interactions with signal transduction molecules, but formation of ternary complexes with IL10 Rβ or IL20 Rβ and the respective ligands is required for signal transduction.

**Synonyms :** IL-22R alpha 1; IL-10R beta; IL-22Rα1&IL-10Rβ

**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