

Rev02
 Update: Aug,08,2025

DATASHEET

IL-22R alpha 1 hFc Chimera, Mouse

Cat. No.: Z06205

Product Introduction

Species	Mouse
Protein Construction	<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 (His16-Ala228)_x000D_ Accession # Q80XZ4 </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Biotinylated Mouse IL - 22, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml) can bind IL-22R alpha 1 hFc Chimera, Mouse. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	51.1 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 65-68 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	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 : Interleukin (IL)-22 is a member of the IL-10 family of cytokines and represents an important effector molecule of activated Th22, Th1, and Th17 cells, as well as Tc-cell subsets, gammadelta T cells, natural killer (NK), and NKT cells. IL-22 mediates its effects via a heterodimeric transmembrane receptor complex consisting of IL-22R1 and IL-10R2 and subsequent Janus kinase-signal transducers and activators of transcription (JAK-STAT) signaling pathways including Jak1, Tyk2, and STAT3.

Synonyms : IL-22R-alpha-1; IL-22RA1; CRF2-9; IL22R; IL22R1; IL-TIF-R1; zcytoR11

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

Confidential and Privileged



Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188