

Rev03
 Update: Aug,08,2025

DATASHEET

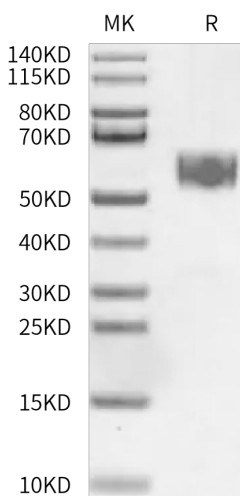
SIGIRR hFc Chimera, Human

Cat. No.: Z05815

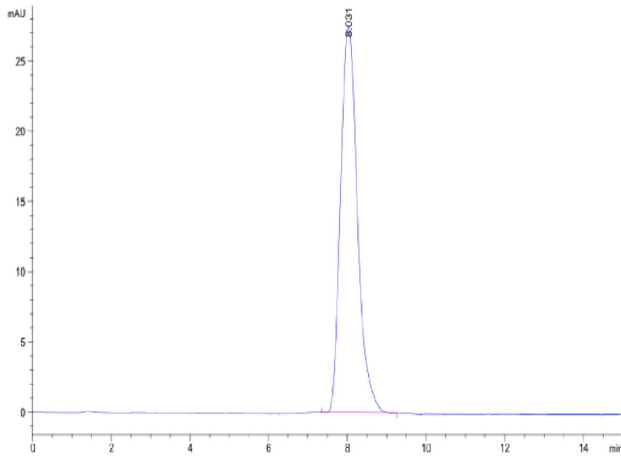
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-around;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> SIGIRR (Met1-His118)_x000D_ Accession # Q6IA17-1 </div> <div style="background-color: #76923c; 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.
Expression System	HEK293
Theoretical Molecular Weight	39.29 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm 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.

Examples



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



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

Background

Target Background : TIR8, also known as single Ig IL-1-related receptor, is a member of the IL-1 receptor/Toll-like receptor (TLR) superfamily, which acts as an intracellular decoy for components of the signaling pathway. Structurally, it is characterized by a single extracellular Ig domain, an intracellular TIR domain and 95-aa cytoplasmic tail. Recently, TIR8 was shown to inhibit NF- κ B activation by members of the IL-1/TLR family. The inhibitory activity of TIR8 was associated with trapping of TRAF6 and IRAK1.

Synonyms : TIR8; Single Ig IL-1-related receptor; IL-1R8

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

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