

Rev03
 Update: Aug,08,2025

DATASHEET

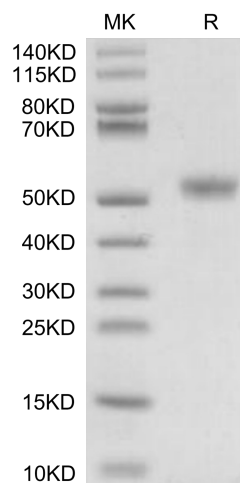
IL-11R alpha, His, Human

Cat. No.: Z05428

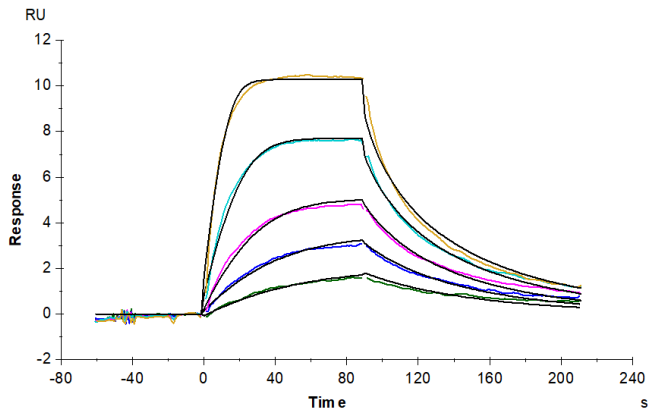
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;"> IL-11R alpha (Ser24-Ala370) Accession # Q14626-1 </div> <div style="background-color: #76923c; color: white; padding: 5px; margin-left: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> 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	38.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 50-55 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.

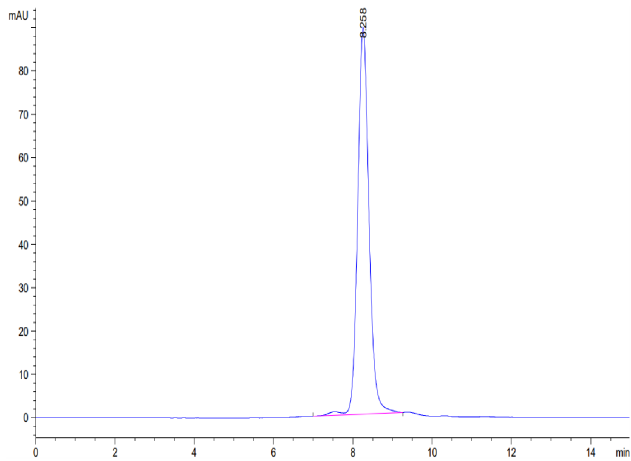
Examples



IL-11R alpha, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



IL-11R alpha, His, Human, His Tag immobilized on CM5 Chip can bind Human IL-11, His Tag with an affinity constant of 1.86 nM as determined in SPR assay (Biacore T200).



The purity of IL-11R alpha, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Abstract Interleukin-11 (IL-11) is a pleiotropic cytokine that belongs to gp130 family. IL-11 and its receptor, IL-11Ra, are expressed in human cancers, human cancer cells expressed a functional IL-11Ra subunit, which triggered signal transduction either by exogenous recombinant human IL-11 or by autocrine production of IL-11 in cells cultured under hypoxic conditions.

Synonyms : IL-11R subunit alpha; IL-11R-alpha; IL-11RA; IL11RA

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

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