

Rev03
Update: Aug,08,2025

DATASHEET

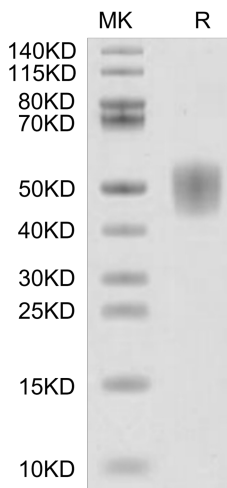
IFN alpha/beta R2, His, Cynomolgus

Cat. No.: Z04812

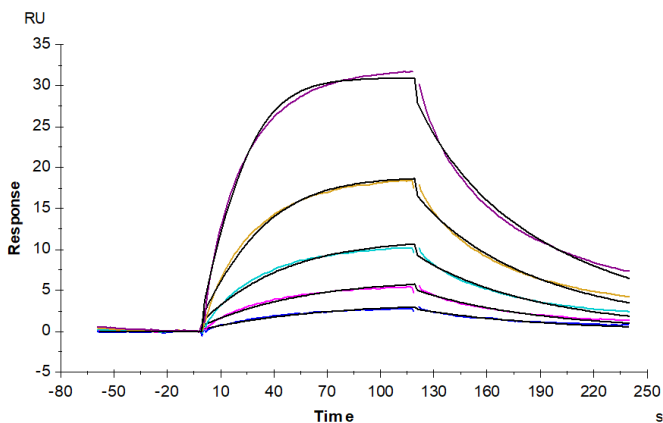
Product Introduction

Species	Cynomolgus
Protein Construction	IFN alpha/beta R2 (Ile27-Lys243) Accession # EHH53981.1 His N-termC-term
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	IFN alpha/beta R2, His, Cynomolgus captured on CM5 Chip via antiHis antibody can bind Human IFN alpha 1, hFc Tag in SPR assay (Biacore T200). Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	25.93 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 43-60 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.

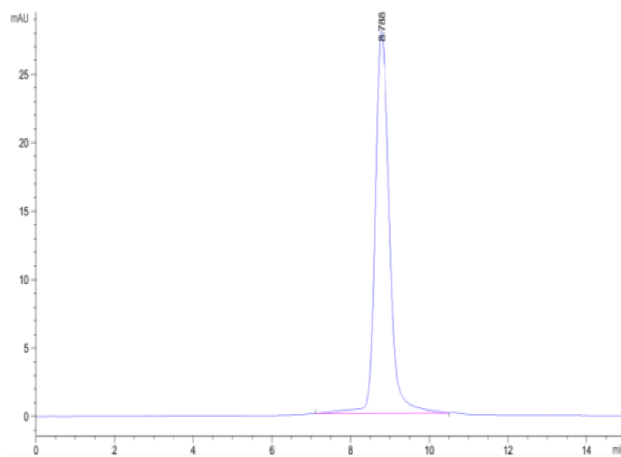
Examples



IFN alpha/beta R2, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



IFN alpha/beta R2, His, Cynomolgus, His Tag captured on CM5 Chip via anti-his antibody can bind Human IFN alpha 1, hFc Tag with an affinity constant of 70.28 nM as determined in SPR assay (Biacore T200).



The purity of IFN alpha/beta R2, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Although interferon (IFN)- α is known to exert immunomodulatory and antiproliferative effects on dendritic cells (DCs) through induction of protein-coding IFN-stimulated genes (ISGs), little is known about IFN- α -regulated miRNAs in DCs. Since several miRNAs are involved in regulating DC functions, it is important to investigate whether IFN- α 's effects on DCs are mediated through miRNAs as well.

Synonyms : IFN-R-2; IFNAR2; IFNARB; IFNABR; IFN-alpha; IFN-alpha/beta R2; IFNbR2; IFN-R; β receptor 2; β receptor10;

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

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