

Cynomolgus IFN-alpha/beta R1 Protein, His Tag (MALS verified)

Catalog # IF1-C52H3



BIOSYSTEMS
Acro
Surprise Inside!

Synonym

IFNAR1,IFNAR,CRF2-1,IFN-R-1,IFNAR-1

Source

Cynomolgus IFN-alpha/beta R1 Protein, His Tag(IF1-C52H3) is expressed from human 293 cells (HEK293). It contains AA Ala 25 - Lys 437 (Accession # [A0A7N9D7J0-1](#)).

Predicted N-terminus: Ala 25

Molecular Characterization

IFNAR1(Ala 25 - Lys 437)
A0A7N9D7J0-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 49.3 kDa. The protein migrates as 65-95 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

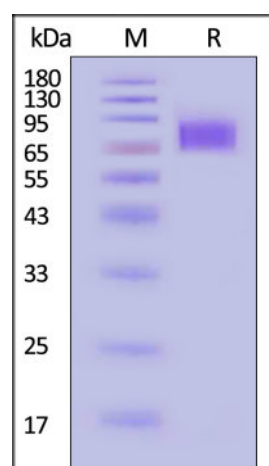
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

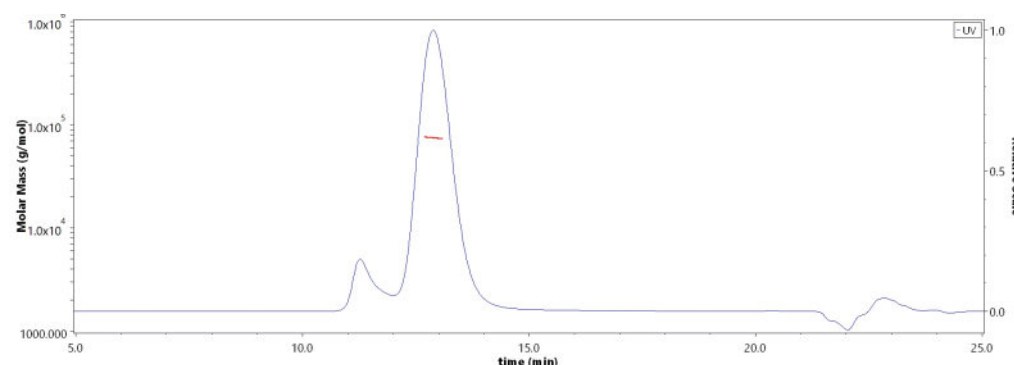
SDS-PAGE



Cynomolgus IFN-alpha/beta R1 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

SEC-MALS



The purity of Cynomolgus IFN-alpha/beta R1 Protein, His Tag (Cat. No. IF1-C52H3) is more than 85% and the molecular weight of this protein is around 65-85 kDa verified by SEC-MALS.

[Report](#)

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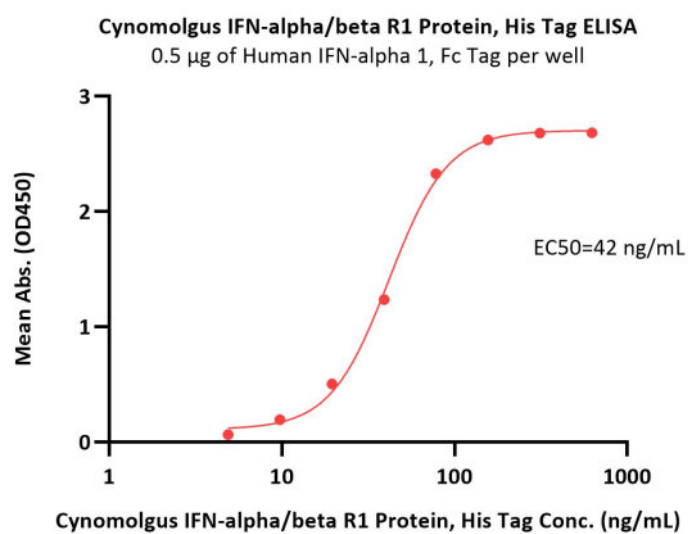


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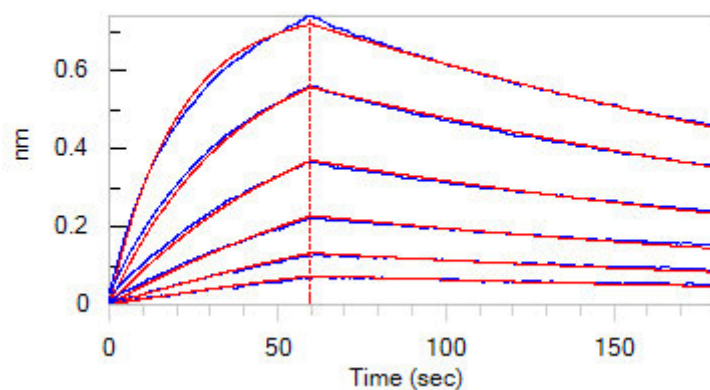


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Immobilized Human IFN-alpha 1, Fc Tag (Cat. No. IFA-H5258) at 5 µg/mL (100 µL/well) can bind Cynomolgus IFN-alpha/beta R1 Protein, His Tag (Cat. No. IF1-C52H3) with a linear range of 5-78 ng/mL (QC tested).

Bioactivity-BLI



Loaded bind Human IFN-alpha 1, Fc Tag (Cat. No. IFA-H5258) on Protein A Biosensor, can bind Cynomolgus IFN-alpha/beta R1 Protein, His Tag (Cat. No. IF1-C52H3) with an affinity constant of 16.5 nM as determined in BLI assay (ForteBio Octet Red96e) (Routinely tested).

Background

Interferon alpha/beta receptor 1 (IFNAR1) is also known as Cytokine receptor class-II member 1, Cytokine receptor family 2 member 1 (CRF2-1), Type I interferon receptor 1, IFNAR, which belongs to the type II cytokine receptor family. IFNAR1 /IFNAR contains four fibronectin type-III domains. IFNAR1 associates with IFNAR2 to form the type I interferon receptor. IFNAR1 is receptor for interferons alpha and beta. IFNAR1 can transduce IFNB signals without the help of IFNAR2, and not activating the Jak-STAT pathway.

Clinical and Translational Updates

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