

Synonym

IFNAR2,IFNARB,IFNABR,IFN-R-2,IFN-alpha,beta receptor 2

Source

Rat IFN-alpha/beta R2 Protein, His Tag(IFA-R52H1) is expressed from human 293 cells (HEK293). It contains AA Phe 31 - Ala 244 (Accession # [MOR8H7-1](#)).

Predicted N-terminus: Phe 31

Molecular Characterization

IFNAR2(Phe 31 - Ala 244) MOR8H7-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 26.7 kDa. The protein migrates as 34-44 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% 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.

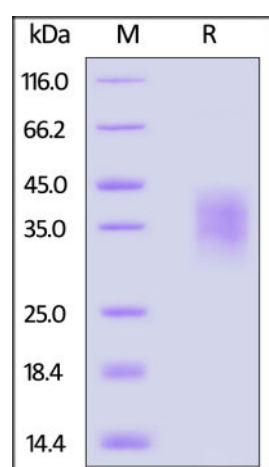
Storage

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

Rat IFN-alpha/beta R2 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Interferon alpha/beta receptor 2 (IFR2) is also known as IFN-alpha binding protein, IFN-alpha/beta receptor 2, Type I interferon receptor 2, IFBR and IFRB, which is a single-pass type I membrane protein and belongs to the type II cytokine receptor family. IFR2 can associate with IFR1 to form the type I interferon receptor. IFR2 is a receptor for interferons alpha and beta. IFR2 involves in IFN-mediated STAT1, STAT2 and STAT3 activation. Isoform 1 and isoform 2 of IFR2 are directly involved in signal transduction due to their association with the TYR kinase, JAK1. Isoform 3 of IFR2 is a potent inhibitor of type I IFN receptor activity. Genetic variations in IFR2 influence susceptibility to hepatitis B virus (HBV) infection.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.