

# Recombinant Human IFNAR2 protein(Met1-Lys243), His-tagged

**Cat. No.** IFNAR2-3349H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IFNAR2(NP_997468.1) (Met 1-Lys 243) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-243 a.a.                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                    |
| <b>Bio-activity</b>     | Measured by its ability to inhibit rh IFN $\beta$ mediated protection of WISH Human amnion cells infected with vesicular stomatitis virus (VSV) to viral lysis. The EC <sub>50</sub> for this effect is typically 1-4 $\mu$ g/mL. |
| <b>Molecular Mass</b>   | The recombinant human IFNAR2 consists of 228 amino acids and predicts a molecular mass of 26.2 kDa. As a result of glycosylation, the rh IFNAR2 migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.   |
| <b>Endotoxin</b>        | < 1.0 EU per $\mu$ g of the protein as determined by the LAL method                                                                                                                                                               |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** IFNAR2 interferon (alpha, beta and omega) receptor 2 [ Homo sapiens ]

**Official Symbol** IFNAR2

**Synonyms**

IFNAR2; interferon (alpha, beta and omega) receptor 2; IFNABR; interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha binding protein; IFN-alpha/beta receptor 2; type I interferon receptor 2; interferon alpha binding protein; human interferon alpha/beta receptor; interferon-alpha/beta receptor beta chain; IFN-R; IFNARB; IFN-alpha-REC;

**Gene ID** 3455

**mRNA Refseq** NM\_000874

**Protein Refseq** NP\_000865

**MIM** 602376

**UniProt ID** P48551

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