# Recombinant Human IFNAR2 (C-6His)

## Catalog No: C476

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| **Description** | Recombinant Human Interferon alpha/beta Receptor 2 is produced by our Mammalian expression system and the target gene encoding Ile27-Lys243 is expressed with a 6His tag at the C-terminus. |
| **Expression System** | Human cells |
| **Alternative name** | Interferon Alpha/Beta Receptor 2; IFN-R-2; IFN-Alpha Binding Protein; IFN-Alpha/Beta Receptor 2; Interferon Alpha Binding Protein; Type I Interferon Receptor 2; IFNAR2; IFNABR; IFNARB |
| **Accession No.** | P48551 |
| **Predicted Molecular Weight** | 25.79kDa |
| **Apparent Molecular Weight** | 46kDa, reducing conditions. |
| **Quality Control** | Purity: greater than 95% as determined by reducing SDS-PAGE.<br>Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. |
| **Reconstitution** | It is not recommended to reconstitute to a concentration less than 100μg/ml.<br>Dissolve the lyophilized protein in distilled water.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **Shipping** | The product is shipped at ambient temperature.<br>Upon receipt, store it immediately at the temperature listed below. |
| **Storage** | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.<br>Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.<br>Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| **Background** | Interferon α/β Receptor 2 (IFN-α/β R2) is a single-pass type I membrane protein which belongs to the type II cytokine receptor family. It complexes with IFN- α/ β R1 to form the signaling receptor complex for the family of α and β IFN subtypes. By alternative splicing, IFN-α/β R2 can exist as a secreted soluble protein or as a type I membrane protein. IFN- α/ β R2 is the principal ligand binding subunit of the receptor. Ligand binding is stabilized by the subsequent association with IFN-α/β R1, resulting in the formation of a signaling ternary receptor complex. IFNAR2 was detected in most lymphocytes, monocytes, and granulocytes, although IFNAR2 expression was higher in the monocytes and granulocytes than in the lymphocytes. Among the lymphocyte subsets, IFNAR2 showed high expression in natural killer (NK) cells and low |

**SDS-PAGE**