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Datasheet for ABIN7318636 IFNAR1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	IFNAR1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNAR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IFNAR1/IFNAR Protein (His Tag)(Active)
Sequence:	Lys28-Lys436
Characteristics:	Recombinant Human Interferon alpha/beta Receptor 1 is produced by our Mammalian expression system and the target gene encoding Lys28-Lys436 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human IFN alpha2b(Cat: PKSH033640) at 2µg/ml(100 µl/well) can bind Human IFNAR1-His.

Target Details

Target:	IFNAR1
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Target Details

Alternative Name: IFNAR1/IFNAR ([IFNAR1 Products](#))

Background: Background: The Interferon- α/β Receptor 1 (IFN- α/β R1) is a receptor which binds Type I Interferons including Interferon- α and - β . It is a cell surface receptor and heteromeric receptor composed of one chain with two subunits referred to as IFNAR1 and IFNAR2. IFN- α/β R1, in association with IFN- α/β R2, is required for propagating antiviral signal transduction triggered by IFN- α and IFN- β . IFN- α/β R1 interacts very weakly or not at all with type 1 interferons and does not stably interact with IFN- α/β R2. Ligands associate with IFN- α/β R2, and this complex subsequently forms a stable ternary assembly with IFN- α/β R1. IFN- α/β R1 also associates with IFN- γ R2 even in the absence of IFN- γ stimulation. Human IFN- α/β R1 contains a nuclear localization signal in its extracellular domain that is required for receptor translocation to the nucleus following interaction with ligand. Interferon stimulation results in an immunologic response that is especially associated with viruses.

Synonym: Interferon Alpha/Beta Receptor 1, IFN-R-1, IFN-Alpha/Beta Receptor 1, Cytokine Receptor Class-II Member 1, Cytokine Receptor Family 2 Member 1, CRF2-1, Type I Interferon Receptor 1, IFNAR1, IFNAR, AVP, IFN-alpha-REC

Molecular Weight: 48.2 kDa

UniProt: [P17181](#)

Pathways: [JAK-STAT Signaling](#), [Hepatitis C](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.