

Datasheet for ABIN7196268
IFNGR1 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	IFNGR1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNGR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IFNGR1 Protein (His Tag)(Active)
Sequence:	Met 1-Gly 245
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Gly 245) of human IFN-γR1 pre-protein (NP_000407.1) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit rhIFN-γ mediated protection of WISH cells infected with vesicular stomatitis virus(VSV).The ED50 for this effect is typically 2-8 µg/mL.

Target Details

Target:	IFNGR1
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Target Details

Alternative Name: IFNGR1 ([IFNGR1 Products](#))

Background: Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD119 (cluster of differentiation 119), also known as IFNGR1 (interferon gamma receptor 1), is part of the heterodimeric gamma interferon receptor which consists of IFNGR1 (CD119) and IFNGR2. The IFNGR1 gene encodes the ligand-binding chain (alpha) of the interteron receptor while IFNGR gene encodes the non-ligand binding partner. The ability of the interferon- γ was achieved through binding to the interferon receptor CD119. After binding, the products of activated T-lymphocytes interferon- γ exerts antiviral activity, growth inhibitory effect, and several immune- regulatory activities on a variety of cell types.

Synonym: CD119;IFNGR;IMD27A;IMD27B;Interferon gamma receptor 1;IFNGR1

Molecular Weight: 27.3 kDa

NCBI Accession: [NP_000407](#)

Pathways: [Interferon-gamma Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

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.