

Datasheet for ABIN7320563  
**IFNGR1 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	IFNGR1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNGR1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse IFNGR1 Protein (His Tag)
Sequence:	Ala26-Asp253
Characteristics:	Recombinant Mouse Interferon gamma Receptor 1 is produced by our Mammalian expression system and the target gene encoding Ala26-Asp253 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	IFNGR1
Alternative Name:	IFNGR1 ( <a href="#">IFNGR1 Products</a> )
Background:	Background: The tetrameric receptor complex for IFN $\gamma$ consists of two subunits, IFNGR1 (IFN $\gamma$ R $\alpha$ ) and IFNGR2 (IFN $\gamma$ R $\beta$ ), through which the dimeric IFN- $\gamma$ exerts its biological functions,

## Target Details

including antiviral, antiproliferation and immune-modulatory activity in mammals. Both IFNGR1 and IFNGR2 are single transmembrane proteins belonging to the class II cytokine family. IFNGR1, widely expressed in most host cells, is essential for IFN $\gamma$  binding, receptor trafficking, and signal transduction. IFNGR1 possesses an intracellular Janus tyrosine kinase (JAK) 1 binding site, a signal transducer and activator of transcription 1 (STAT1) binding site. The resulting STAT1 homodimers translocate from the cytoplasm to the nucleus and bind to the interferon-gamma activated sequence (GAS) promoter to induce expression of downstream interferon stimulated genes (ISGs).

Synonym: CD119, Interferon gamma receptor 1, IFNGR1, IFN-gamma receptor 1, IFN-gamma-R1, CD119 antigen, IFN gamma receptor 1, IFNGR, immune interferon receptor 1, interferon gamma receptor 1, interferon-gamma receptor alpha chain

Molecular Weight:	26.9 kDa
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UniProt:	<a href="#">P15261</a>
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Pathways:	<a href="#">Interferon-gamma Pathway</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

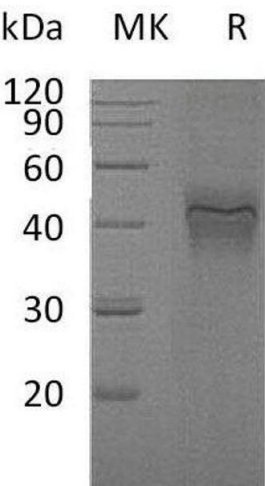
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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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.
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Western Blotting

Image 1.