

Datasheet for ABIN7320568

Interferon gamma Protein (IFNG)[Go to Product page](#)**1** Image

Overview

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|---------------|-------------------------|
| Quantity: | 50 µg |
| Target: | Interferon gamma (IFNG) |
| Origin: | Mouse |
| Source: | Human Cells |
| Protein Type: | Recombinant |

Product Details

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| Purpose: | Recombinant Mouse Interferon γ/IFNG Protein (Human Cells) |
| Sequence: | His23-Cys155 |
| Characteristics: | Recombinant Mouse Interferon gamma is produced by our Mammalian expression system and the target gene encoding His23-Cys155 is expressed. |
| Purity: | > 95 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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|-------------------|---|
| Target: | Interferon gamma (IFNG) |
| Alternative Name: | Interferon gamma/IFNG (IFNG Products) |
| Background: | Background: Mouse Ifng is a secreted protein which belongs to the type I I (or gamma) interferon family. IFNG is produced by lymphocytes and activated by specific antigens or mitogens. In addition to having antiviral activity, IFNG also has important immunoregulatory functions. It is a potent activator of macrophages and has antiproliferative effects on |

Target Details

transformed cells. It can potentiate the antiviral and antitumor effects of the type I interferons. Genetic variation in IFNG is associated with the risk of aplastic anemia (AA) which is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.

Synonym: Ifng,Interferon gamma,IFN-gamma

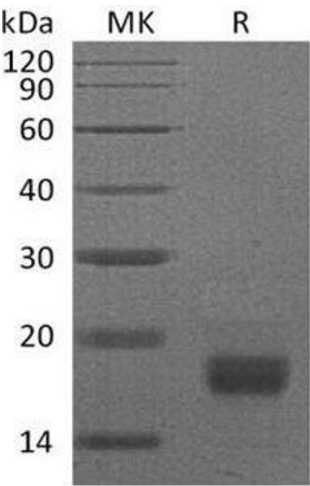
| | |
|-------------------|--|
| Molecular Weight: | 15.5 kDa |
| UniProt: | P01580 |
| Pathways: | Interferon-gamma Pathway , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , ER-Nucleus Signaling , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a 0.2 µm filtered solution of 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. |



Western Blotting

Image 1.