

## Recombinant Full Length Hamster Ifng Protein, His tagged

Cat. No. IFNG-21H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Hamster Ifng Protein, Sourced from HEK293, Met1-Ile174, with C-terminal His Tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Hamster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-174 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Interferon gamma (IFN $\gamma$ ) is a dimerized soluble cytokine that is predominately produced by natural killer and natural killer T cells during the innate immune response and by T cells once antigen specific immunity develops. IFN $\gamma$ is crucial for immunity against intracellular pathogens and for tumor control. The release of IFN $\gamma$ is controlled mostly by the cytokines IL-12 and IL-18. Serum IFN $\gamma$ levels have been shown to be elevated in active cases of systemic lupus erythematosus (SLE) and may be associated with the development of autoimmune diseases like SLE. |
| <b>Form</b>             | Lyophilized from 1 $\times$ PBS with Trehalose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 21.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | ELISA and Western Blot Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | 2 years at -20 to -80 centigrade as supplied. 1 month at 4 centigrade after reconstitution with preservative. 1 year at -20 to -80 centigrade after reconstitution. For long-term storage, store for up to 2 years at -20 centigrade and 5 years at -80 centigrade after reconstitution. |
| <b>Shipping</b>         | Ambient                                                                                                                                                                                                                                                                                  |
| <b>Reconstitution</b>   | Reconstitute in 25 µL in sterile PBS containing at least 0.1% protein.                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | <a href="#">Ifng</a> interferon gamma [ <a href="#">Mesocricetus auratus</a> (golden hamster) ]                                                                                                                                                                                          |
| <b>Official Symbol</b>  | <a href="#">Ifng</a>                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | Ifng; interferon gamma; IFN-gamma; interferon gamma                                                                                                                                                                                                                                      |
| <b>Gene ID</b>          | <a href="#">101825431</a>                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>      | <a href="#">NM_001281631</a>                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | <a href="#">NP_001268560</a>                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>       | <a href="#">O35497</a>                                                                                                                                                                                                                                                                   |

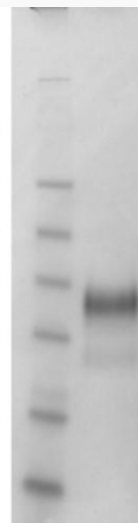
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**SDS-PAGE**

118kDa-  
98kDa-  
62kDa-  
49kDa-  
38kDa-  
28kDa-  
14kDa-  
6kDa-



Hamster IFN $\gamma$  (2 $\mu$ g) on a Coomassie stained 4-12% SDS-PAGE gel, reducing conditions.

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