

# Active Recombinant Human IFNG protein

**Cat. No.** IFNG-8549H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human IFNG protein(NP_000610.2) (Met 1-Gln 166) was expressed and purified in CHO.                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-166 aa                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus (VSV). The EC50 for this effect is typically 0.1-0.5 ng/mL.                                                                                 |
| <b>Molecular Mass</b>   | The secreted recombinant human $\gamma$ -IFN consists of 143 amino acids and has a predicted molecular mass of 16.7 kDa. $\gamma$ -IFN migrates as two bands with apparent molecular mass of 21&25 kDa probably due to different glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per $\mu$ g of the protein as determined by the LAL method.                                                                                                                                                                            |
| <b>Purity</b>           | > 92 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                            |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                         |
|------------------|-----------------------------------------|
| <b>Gene Name</b> | IFNG interferon, gamma [ Homo sapiens ] |
|------------------|-----------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | IFNG |
|------------------------|------|

|                 |                                                                                    |
|-----------------|------------------------------------------------------------------------------------|
| <b>Synonyms</b> | IFNG; interferon, gamma; interferon gamma; IFN-gamma; immune interferon; IFG; IFI; |
|-----------------|------------------------------------------------------------------------------------|

|                |      |
|----------------|------|
| <b>Gene ID</b> | 3458 |
|----------------|------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_000619 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_000610 |
|-----------------------|-----------|

|            |        |
|------------|--------|
| <b>MIM</b> | 147570 |
|------------|--------|

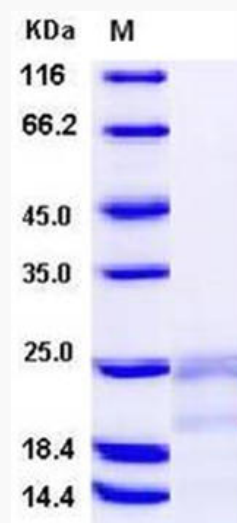
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|-------------------|--------|
| <b>UniProt ID</b> | P01579 |
|-------------------|--------|

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SDS-PAGE



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