

# Recombinant Human IFNGR1 Protein, His-tagged

**Cat. No.** IFNGR1-001H    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant human IFNGR1(18-245aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                       | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>                | 18-245 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>                  | IFNGR1, also known as interferon gamma receptor 1, is a member of the hematopoietic cytokine receptor superfamily. It is a receptor that binds interferon- $\gamma$ , the sole member of interferon type II. It induces the rapid dimerization of chains, thereby forming a site that is recognized by the extracellular domain of IFNGR2. It is expressed in a membrane-bound form in many cell types, and is over-expressed in tumour cells. Its signaling promotes autoimmune germinal centers via cell-intrinsic induction of BCL-6. It is crucial for host defence against mycobacterial infections. It is associated with susceptibility to pulmonary tuberculosis (TB). |
| <b>Form</b>                         | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>               | 26.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>N-terminal Sequence Analysis</b> | Glu 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | < 1.0 EU per 1 µg of protein (determined by LAL method)                                                                                                                                                                                                   |
| <b>Purity</b>         | > 90% by SDS - PAGE                                                                                                                                                                                                                                       |
| <b>Storage</b>        | Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.                                                                          |
| <b>Concentration</b>  | 1.0 mg/mL (determined by Absorbance at 280nm)                                                                                                                                                                                                             |
| <b>Storage Buffer</b> | In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.                                                                                                                                                                                            |
| <b>Warning</b>        | For research use only. This product is not intended or approved for human, diagnostics or veterin                                                                                                                                                         |
| <b>AA Sequence</b>    | EMGTADLGPSSVPTPTNVTIESYMNPIVYWEYQIMPQVPVFTVEVKNYGVKNSEWI<br>DACINISHHYCNISDHVGDPNSLWVRVKARVGQKESAYAKSEEFVCRDGGKIGPPK<br>LDIRKEEKQIMIDIFHPSVFVNGDEQEVDYDPETTCYIRVYNVYVRMNGSEIQYKILTQ<br>KEDDCDEIQCQLAIPVSSLNSQYCVSAEGLVHVWGVTTTEKSKEVCITIFNSSIKGHHH<br>HHH |

## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | IFNGR1 interferon gamma receptor 1 [ Homo sapiens (human) ]        |
| <b>Official Symbol</b> | IFNGR1                                                             |
| <b>Synonyms</b>        | IFNGR1; interferon gamma receptor 1; CD119; IFNGR; IMD27A; IMD27B; |
| <b>Gene ID</b>         | 3459                                                               |

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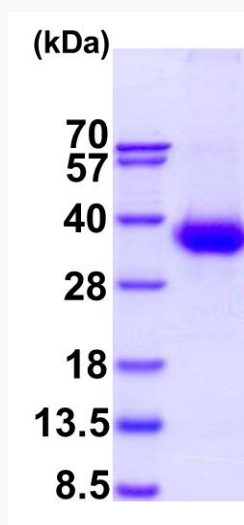
mRNA Refseq [NM\\_000416](#)

Protein Refseq [NP\\_000407](#)

MIM [107470](#)

UniProt ID [P15260](#)

SDS-PAGE



15% SDS-PAGE (3 µg)

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