

Recombinant Full Length Human IFNG Protein, C-Flag-tagged

Cat. No. IFNG-72HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IFNG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	16.7 kDa
AA Sequence	MKYTSYILAFQLCIVLGS LGCYCQDPYVKEAENLKKYFNAGHSDVADNGTLFLGILKN WKEESDRKIMQS QIVSFYFKLFKNFKDDQSIQKSVETIKEDMNVKFFNSNKKKRDDF EKLTNYSVTDLNVQRKAIHELIQVM AELSPA AKTGKRKRSQMLFRGRRASQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Allograft rejection, Cytokine-cytokine receptor interaction, Graft-versus-host disease, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Proteasome, Regulation of autophagy, Systemic lupus erythematosus, T cell receptor signaling pathway, TGF-beta signaling pathway, Type I diabetes mellitus
Full Length	Full L.

GENE INFORMATION

Gene Name	IFNG interferon gamma [Homo sapiens (human)]
Official Symbol	IFNG
Synonyms	IFG; IFI; IMD69
Gene ID	3458
mRNA Refseq	NM_000619.3

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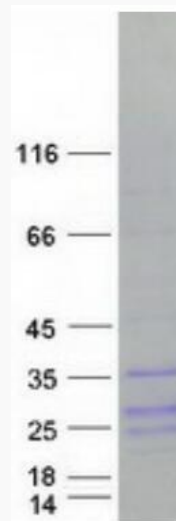
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Protein Refseq NP_000610.2

MIM 147570

UniProt ID P01579



Coomassie blue staining of purified IFNG protein.

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