

Product datasheet for **AR09041PU-L**

IFNG / Interferon gamma Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	IFNG / Interferon gamma human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTKGR KRSQMLFRGR RASQ
Predicted MW:	16.9 kDa
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: PBS, pH 7.4 containing 10% Glycerol
Bioactivity:	Biological: Measured in a cytotoxicity assay using WiDr cells. The ED50 for this effect is ≤ 5 ng/ml.
Endotoxin:	< 1.0 EU per 1 µg of Protein (determined by LAL method).
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human interferon-γ was expressed in <i>E.coli</i> and purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. Additional amino acid (Methionine) is attached at N-terminus.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000610
Locus ID:	3458
UniProt ID:	P01579
Cytogenetics:	12q15



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Synonyms: IFG; IFI; IMD69

Summary: 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. [provided by RefSeq, Dec 2015]

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

Product images:

