

## Product datasheet for **TP721103M**

### IFNA13 (IFNA1) (NM\_024013) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human interferon, alpha 1 (IFNA1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Cys24-Glu189
Tag:	C-His
Predicted MW:	20.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_076918</a>
Locus ID:	3439
UniProt ID:	<a href="#">P01562</a> , <a href="#">L0N195</a>
RefSeq Size:	863
Cytogenetics:	9p21.3
RefSeq ORF:	567
Synonyms:	IFL; IFN; IFN-ALPHA; IFN-alphaD; IFNA13; IFNA@; IeIF D



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**Summary:**

This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. This cytokine is upregulated in preeclamptic placentas and is thought to be a mediator of preeclampsia. [provided by RefSeq, Aug 2020]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Antigen processing and presentation, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Regulation of autophagy, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway