

## Product datasheet for PH310115

### IFNA21 (NM\_002175) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IFNA21 MS Standard C13 and N15-labeled recombinant protein (NP_002166)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210115
Predicted MW:	21.7 kDa
Protein Sequence:	>RC210115 protein sequence Red=Cloning site Green=Tags(s)  MALSFSLMAVLVLSYKSLGCDLPQTHSLGNRRALILLAQMGRISPFSLKDRHDFGFPQEEFDGNQ FQKAQAI SVLHEMIQQTFNLFSTKDSSATWEQSLLEKFSSTELNQQLEACVIQEVGVEETPLMNVDSI LAVKKYFQRITLYLTEKKYSPCAWEVVAEIMRSFSLSKIFQERLRKE  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002166</a>
RefSeq Size:	1024
RefSeq ORF:	567
Synonyms:	IFN-alpha1; IeIF-F; IeIF F
Locus ID:	3452
UniProt ID:	<a href="#">P01568</a>



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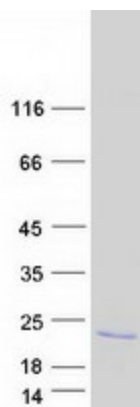
**Cytogenetics:** 9p21.3

**Summary:** This gene is a member of the alpha interferon gene cluster on the short arm of chromosome 9. Interferons are cytokines produced in response to viral infection that mediate the immune response and interfere with viral replication. The encoded protein is a type I interferon and may play a specific role in the antiviral response to rubella virus. [provided by RefSeq, Sep 2011]

**Protein Families:** Druggable Genome, Secreted Protein

**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

### Product images:



Coomassie blue staining of purified IFNA21 protein (Cat# [TP310115]). The protein was produced from HEK293T cells transfected with IFNA21 cDNA clone (Cat# [RC210115]) using MegaTran 2.0 (Cat# [TT210002]).