

Product datasheet for PH310902

IFNA13 (IFNA1) (NM_024013) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IFNA1 MS Standard C13 and N15-labeled recombinant protein (NP_076918)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210902
Predicted MW:	21.7 kDa
Protein Sequence:	>RC210902 protein sequence Red=Cloning site Green=Tags(s) MASPFALLMALVVLSCKSSCSLGCGLPETHSLDNRRTLMLLAQMSRISPSCLMDRHDGFGFPQEEFDGNQ FQKAPAI SVLHELIIQQIFNLFTTKDSSAAWDELLDKFCTELYQQLNDLEACVMQEERVGETPLMNADSI LAVKKYFRRITLYLTEKKYSPCAWEVVR AEIMRSLSLSTNLQERLRRKE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_076918
RefSeq Size:	863
RefSeq ORF:	567
Synonyms:	IFL; IFN; IFN-ALPHA; IFN-alphaD; IFNA13; IFNA@; IeIF D
Locus ID:	3439
UniProt ID:	P01562 , L0N195



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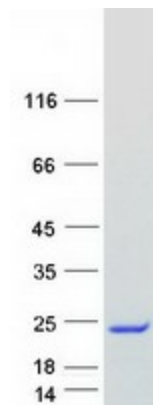
Cytogenetics: 9p21.3

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

Product images:



Coomassie blue staining of purified IFNA1 protein (Cat# [TP310902]). The protein was produced from HEK293T cells transfected with IFNA1 cDNA clone (Cat# [RC210902]) using MegaTran 2.0 (Cat# [TT210002]).