

## Product datasheet for PH302193

### IFI16 (NM\_005531) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IFI16 MS Standard C13 and N15-labeled recombinant protein (NP_005522)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202193
Predicted MW:	81.9 kDa
Protein Sequence:	>RC202193 representing NM_005531 Red=Cloning site Green=Tags(s)

MGKKYKNIIVLLKGLEVINDYHFRMVKSLLSNDLKLNLKMREEYDKIQIADLMEEKFRGDAGLGKLIKIFE  
DIPTLEDAETLKKKELKVKGPALSRKRKKEVHATSPAPSTSSTVKTEGAEATPGAQKRKSTKEKAGPK  
GSKVSEEQTPPPSPAGAGMSTAMGRSPSPKTSLSAPPNSSTENPKTVAKCQVTPRRNVLQKRPVIVKVL  
STTKPFEYETPEMEKKIMFHATVATQTQFFHVVLNTSLKEKFNKIIIIISDYLEYDSLLEVEESTVS  
EAGPNQTFEVPNKIINRAKETLIDILHKQASGNIVYGVFMLHKKTVNQTTIYEIQDDRGMDDVVGTVGQ  
CHNIPCEEEDKQLFCFRLRKKNQMSKLI SEMHSFIQIKKTNPRNNDPKSMKLPQEQRLPYPSEASTT  
FPESHLRTPQMPPTTSSSFFTKKSEDTISKMNDFMRMQLKEGSHFPGPFMTSIGPAESHPTPQMPSS  
TPSSSFLTTLKPRLKTEPEEVSIEDSAQSDLKEVMVLNATESFVYEPKEQKMFHATVATENEVFRVKVF  
NIDLKEKFTPKKIIAIAINYVCRNGFLEVYPFTLVADVNADRMEIPKGLIRSASVTPKINQLCSQTKGSF  
VNGVFEVHKKNVGEFTYIEIQDNTGKMEVVHGRNLNTINCEEEDKLLKTSFELAPKSGNTGELRSVIHS  
HIKVIKTRKNKKDILNPDSSMETSPDFFF

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u><a href="#">NP_005522</a></u>



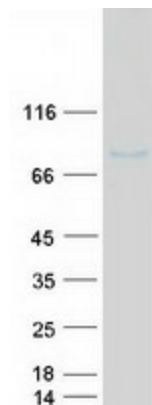
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RefSeq Size:	2709
RefSeq ORF:	2187
Synonyms:	IFNGIP1; PYHIN2
Locus ID:	3428
UniProt ID:	<a href="#">Q16666</a> , <a href="#">Q16666-2</a>
Cytogenetics:	1q23.1

**Summary:** This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigens with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involved in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localizes to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 function, and inhibits cell growth in the Ras/Raf signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2011]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified IFI16 protein (Cat# [TP302193]). The protein was produced from HEK293T cells transfected with IFI16 cDNA clone (Cat# [RC202193]) using MegaTran 2.0 (Cat# [TT210002]).