

Recombinant Human IFI16 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. IFI16-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IFI16 MS Standard C13 and N15-labeled recombinant protein (NP_005522) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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]
Molecular Mass	81.9 kDa
AA Sequence	MGKKYKNIVLLKGLEVINDYHFRMVKSLLSNDLKLNLKMREEYDKIQIADLMEEKFRG DAGLGKLIKIFEDIPTLEDLAETLKKEKLKVKGPALSRKRKKEVHATSPAPSTSSTVKT EGAEATPGAQKRKKSTKEKAGPKGSKVSEEQTQPPSPAGAGMSTAMGRSPSPKTS LSAPPNSSSTENPKTVAKCQVTPRRNVLQKRPVIVKVLSTTKPFYEYETPEMEKKIMF HATVATQTQFFHVKVLNTSLKEKFNGKKIIISDYLEYDSLLEVNEESTVSEAGPNQTF

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EVPNKIINRAKETLKIDILHKQASGNIVYGVFMLHKKTVNQKTTIYEIQDDRGKMDVVG
 TGQCHNIPCEECDKLQLFCFRLRKKNQMSKLISEMHSFIQIKKKTNPNNDPKSMKL
 PQEQRQLPYPSEASTTFPESHLRTPQMPPTTPSSSFFTKKSEDTISKMNDFMRMQIL
 KEGSHFPGPFMTSIGPAESHPHTPQMPPSTPSSSFLTTLKPRLKTEPEEVSIEDSAQ
 SDLKEVMVLNATESFVYEPKEQKKMFHATVATENEVFRVKVFNIDLKEKFTPCKIIAIA
 NYVCRNGFLEVYPFTLVADVADRNMIEPKGLIRSASVTPKINQLCSQTKGSFVNGV
 FEVHKKNVRGEFTYYEIQDNTGKMEVVHGRNTINCEECDKLKLTSEFELAPKSGNT
 GELRSVIHSHIKVIKTRKNKKDILNPSSMETSPDFFFTTRTRPLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IFI16 interferon, gamma-inducible protein 16 [Homo sapiens (human)]

Official Symbol IFI16

Synonyms IFI16; interferon, gamma-inducible protein 16; gamma-interferon-inducible protein 16; IFNGIP1; PYHIN2; interferon-gamma induced protein IFI 16; interferon-inducible myeloid differentiation transcriptional activator; MGC9466;

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Gene ID	3428
mRNA Refseq	NM_005531
Protein Refseq	NP_005522
MIM	147586
UniProt ID	Q16666
SDS-PAGE	