

Recombinant Full Length Human IFI16 Protein, C-Flag-tagged

Cat. No. IFI16-190HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IFI16 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	81.9 kDa
AA Sequence	MGKKYKNIVLLKGLEVINDYHFRMVKSLLSNDLKLNLKMREEYDKIQIADLMEEKFRG DAGLGKLIKIFE DIPTLEDAETLKKEKLKVKGPALSRKRKKEVHATSPAPSTSSTVKT EGAEATPGAQKRKKSTKEKAGPK GSKVSEEQTQPPSPAGAGMSTAMGRSPSPKT SLSAPPNSSSTENPKTVAKCQVTPRRNVLQKRPVIVKVL STTKPFHEYETPEMEKKIM FHATVATQTQFFHVKVLNTSLKEKFNGKKIIISDYLEYDSLLEVNEESTVS EAGPNQT FEVPNKIINRAKETLKIDILHKQASGNIVYGVFMLHKKTVMNQKTTIYEIQDDRGMKMDVV

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GTGQ CHNIPCEEGLQLQFCFRLRKKNQMSKLISEMHSFIQIKKKTNPNNDPKSM
 KLPQEQRQLPYPSEASTT FPESHLRTPQMPPTTPSSSFFTKKSEDTISKMNDFMRM
 QILKEGSHFPGPFMTSIGPAESHPTPQMPPS TPSSSFLTTLKPRLKTEPEEVSIEDS
 AQSDLKEVMVLNATESFVYEPKEQKKMFHATVATENEVFRVKVF NIDLKEKFTPKKII
 AIANYVCRNGFLEVYPFTLVADVNADRNM EIPKGLIRSASVTPKINQLCSQTKGSF V
 NGVFEVHKKNVRGEFTYYEIQDNTGKMEVVVHGRLNTINCEEGLKLTSEFELAPKS
 GNTGELRSVIHS
 HIKVIKTRKNKKDILNPDSSMETSPDFFFTTRTRPLEQKLISEEDLAANDILDYKDDDDK
 V

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

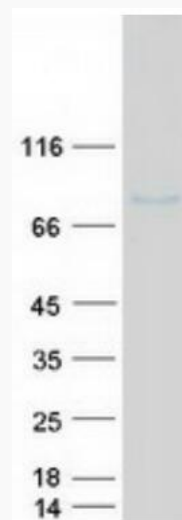
Gene Name	IFI16 interferon gamma inducible protein 16 [Homo sapiens (human)]
Official Symbol	IFI16

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Synonyms	PYHIN2; IFNGIP1
Gene ID	3428
mRNA Refseq	NM_005531.3
Protein Refseq	NP_005522.2
MIM	147586
UniProt ID	Q16666



Coomassie blue staining of purified IFI16 protein.