

Product datasheet for TP302193M

IFI16 (NM_005531) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interferon, gamma-inducible protein 16 (IFI16), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202193 representing NM_005531 Red=Cloning site Green=Tags(s)

MGKKYKNIVLLKGLEVINDYHFRMVKSLLSNDLKLNLKMREEYDKIQIADLMEEKFRGDAGLGKLIKIFE
DIPTLEDLAETLKKEKLVKGPALSRKRKKEVHATSPAPSTSSTVKTEGAEATPGAQKRKSTKEKAGPK
GSKVSEEQTQPPSPAGAGMSTAMGRSPPKTSLSAPPNSSSTENPKTVAKQVTPRRNVLQKRPVIVKVL
STTKPFYETPEMEKKIMFHATVATQTQFFHVKVLNTSLKEKFNKGKIIISDYLEYDSLLEVNEESTVS
EAGPNQTFEVPNKIINRAKETLKIDILHKQASGNIVYGVFMLHKKTVNQKTTIYEIQDDRGMDDVVGTTGQ
CHNIPCEECDLQLFCFRLRKKKNQMSKLISEMHSFIQIKKKNPRNNDPKSMKLPQEQRQLPYPSEASTT
FPESHRLRTPQMPPTTPSSSFFTKKSEDTISKMNDFMRMQLKEGSHFPGPFMTSIGPAESHPTPQMPPS
TPSSSFLTLKPRKTEPEEVSIEDSAQSDLKEVMVLNATESFVYEPKEQKMFHATVATENEVFRVKVF
NIDLKEKFTPKKIIAIANYVCRNGFLEVYPFTLVADVADNRNMEIPKGLIRSASVTPKINQLCSQTKGSF
VNGVFEVHKKNVRGEFTYIEIQDNTGKMEVWHGRLNTINCEECDLKLTSFELAPKSGNTGELRSVIHS
HIKVIKTRKNKKDILNPDSSMETSPDFFF

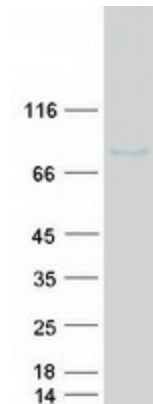
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	81.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005522</u>
Locus ID:	3428
UniProt ID:	<u>Q16666, Q16666-2</u>
RefSeq Size:	2709
Cytogenetics:	1q23.1
RefSeq ORF:	2187
Synonyms:	IFNGIP1; PYHIN2
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]).