

Recombinant Human IFI16 protein, His & T7-tagged

Cat. No. IFI16-1946H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFI16 aa. (Ser465~Cys671 (Accession # Q16666)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser465~Cys671
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Characteristic	The isoelectric point is 8.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	IFI16 interferon gamma inducible protein 16 [Homo sapiens (human)]
Official Symbol	IFI16
Synonyms	MLC-B; MRLC2; MLC-2; MLC-2A; MLC20; SHUJUN-1; myosin regulatory light chain 2; myosin regulatory light chain 2-B, smooth muscle isoform; myosin regulatory light chain 20 kDa; myosin regulatory light chain MRLC2; myosin, light chain 12B, regulatory; myosin regulatory light chain 12B
Gene ID	3428

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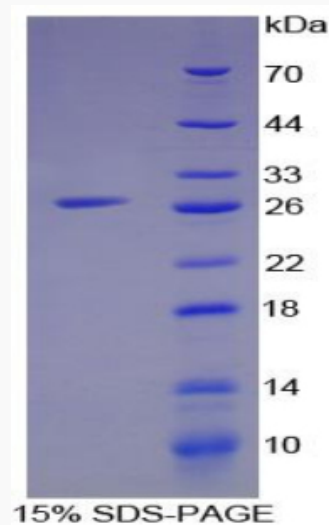
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mRNA Refseq [NM_001206567.1](#)

Protein Refseq [NP_001193496.1](#)

UniProt ID [Q16666](#)



SDS-PAGE

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