

## Recombinant Human IFIH1 protein, His-tagged

Cat. No. IFIH1-1861H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human IFIH1 aa. (Arg605~Ala815) fused with N-terminal His tag was produced in E. coli cells.

**Species** Human

**Source** E.coli

**ProteinLength** Arg605~Ala815

**Description** DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein that is upregulated in response to treatment with beta-interferon and a protein kinase C-activating compound, mezerein. Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. Genetic variation in this gene is associated with diabetes mellitus insulin-dependent type 19.

**Form** Freeze-dried powder

**Molecular Mass** 28kDa as determined by SDS-PAGE reducing conditions.

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<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>98%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
<b>Stability</b>	The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	200µg/mL
<b>Storage buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
<b>Isoelectric Point</b>	4.8

## GENE INFORMATION

<b>Gene Name</b>	IFIH1 interferon induced with helicase C domain 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IFIH1
<b>Synonyms</b>	IFIH1; interferon induced with helicase C domain 1; AGS7; Hlcd; MDA5; MDA-5;

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RLR-2; IDDM19; SGMRT1; interferon-induced helicase C domain-containing protein 1; CADM-140 autoantigen; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; RIG-I-like receptor 2; RNA helicase-DEAD box protein 116; clinically amyopathic dermatomyositis autoantigen 140 kDa; helicard; helicase with 2 CARD domains; melanoma differentiation-associated gene 5; melanoma differentiation-associated protein 5; murabutide down-regulated protein

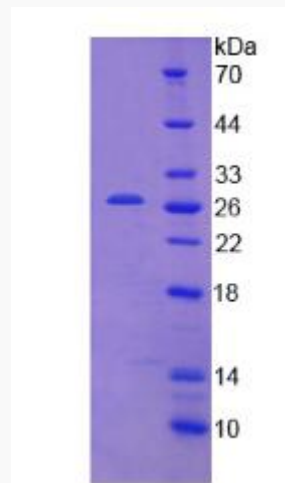
**Gene ID** [64135](#)

**mRNA Refseq** [NM\\_022168.3](#)

**Protein Refseq** [NP\\_071451.2](#)

**UniProt ID** [Q9BYX4](#)

**SDS-PAGE**



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