

# Interferon Induced With Helicase C Domain 1 Recombinant Protein | IFIH1 recombinant protein

Recombinant Human Interferon Induced With Helicase C Domain 1

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| CATALOG #<br><b>AAA39101</b> | HOST<br><b>Sf9 Insect Cells</b> |
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## PRODUCT SYNONYMS

Interferon Induced With Helicase C Domain 1; Recombinant Human Interferon Induced With Helicase C Domain 1; IFIH1 Human; Interferon Induced With Helicase C Domain 1 Human Recombinant; Interferon-induced helicase C domain-containing protein 1; Clinically amyopathic dermatomyositis autoantigen 140 kDa; CADM-140 autoantigen; Helicase with 2 CARD domains; Helicard; Interferon-induced with helicase C domain protein 1; Melanoma differentiation-associated protein 5; MDA-5; Murabutide down-regulated protein; RIG-I-like receptor 2; RLR-2; RNA helicase-DEAD box protein 116; IFIH1; MDA5; RH116; Hlcd; IDDM19; IFIH1 recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Sf9 Insect Cells                                                                                                                                               |
| Purity/Purification     | Greater than 80.0% as determined by SDS-PAGE.                                                                                                                  |
| Form/Format             | IFIH1 is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.<br>Sterile Filtered clear solution.                                                |
| Sequence Length         | 1025                                                                                                                                                           |
| Preparation and Storage | Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Avoid multiple freeze-thaw cycles. |

## ADDITIONAL INFORMATION

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| Related Product Information for IFIH1 recombinant protein | <p><b>Description:</b> IFIH1 Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a calculated molecular mass of 118,060 Dalton. IFIH1 is expressed with a -10xHis tag at N-terminus and purified by proprietary chromatographic techniques.</p> <p><b>Introduction:</b> IFIH1 is a DEAD box protein which is upregulated in response to treatment with beta-interferon and a protein kinase C-activating compound, mezerein. Irreversible reprogramming of melanomas can be attained by therapy with both these agents; treatment with either agent alone only achieves reversible differentiation. DEAD box proteins are implicated in several cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Genetic variation in the IFIH1 gene is linked with diabetes mellitus insulin-dependent type 19.</p> |
| Product Categories/Family for IFIH1 recombinant protein   | <a href="#">Recombinant &amp; Natural Proteins</a> ; <a href="#">Recombinant Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## NCBI AND UNIPROT INFORMATION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">27886568</a>                                                                                                                            |
| NCBI GeneID               | <a href="#">64135</a>                                                                                                                               |
| NCBI Accession #          | <a href="#">NP_071451.2</a>                                                                                                                         |
| NCBI GenBank Nucleotide # | <a href="#">NM_022168.3</a>                                                                                                                         |
| UniProt Accession #       | <a href="#">Q9BYX4</a> ; <a href="#">Q2NKL6</a> ; <a href="#">Q6DC96</a> ; <a href="#">Q86X56</a> ; <a href="#">Q96MX8</a> ; <a href="#">Q9H3G6</a> |
| Molecular Weight          | 116,689                                                                                                                                             |

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|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Full Name</b>          | interferon-induced helicase C domain-containing protein 1                                                                                                                                                                                                                                                                                                                                                                   |
| <b>NCBI Official Synonym Full Names</b> | interferon induced with helicase C domain 1                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>NCBI Official Symbol</b>             | IFIH1                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>NCBI Official Synonym Symbols</b>    | AGS7; Hlcd; MDA5; MDA-5; RLR-2; IDDM19                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>NCBI Protein Information</b>         | 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 protein-5; melanoma differentiation-associated protein 5; murabutide down-regulated protein |
| <b>UniProt Protein Name</b>             | Interferon-induced helicase C domain-containing protein 1                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt Gene Name</b>                | <b>IFIH1</b>                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt Synonym Gene Names</b>       | MDA5; RH116; CADM-140 autoantigen; Helicard; MDA-5; RLR-2                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt Entry Name</b>               | IFIH1_HUMAN                                                                                                                                                                                                                                                                                                                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ifih1-recombinant-protein-sf9-insect-cells/39101>