

## IFIH1 Human

**Description:**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.

**Catalog #:**PRPS-1512

For research use only.

**Synonyms:**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 differentiati

**Source:**Sf9 Insect Cells.

**Physical Appearance:**Sterile Filtered clear solution.

**Purity:**Greater than 80.0% as determined by SDS-PAGE.

**Formulation:**

IFIH1 is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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