
Product Data Sheet

Product Name: IFIH1 Human
Cat. No.: GP23693
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 Insect Cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

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 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.

Formulation IFIH1 is supplied in 20mM HEPES buffer pH-7.9, 550mM NaCl and 6M Urea.

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.

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.

Background

IFIH1 Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a

Caution: Product has not been fully validated for medical applications. For research use only.

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calculated molecular mass of 152,000 Dalton. IFIH1 is expressed with a -10xHis tag at N-terminus and purified by proprietary chromatographic techniques.

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