Recombinant Human IFIH1 293 Cell Lysate

Cat. No. IFIH1-5289HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for interferon induced with helicase C domain 1 (IFIH1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	IFIH1 interferon induced with helicase C domain 1 [Homo sapiens]
Official Symbol	IFIH1
Synonyms	IFIH1; interferon induced with helicase C domain 1; interferon-induced helicase C domain-containing protein 1; helicard; Hlcd; IDDM19; MDA 5; MDA5; CADM-140 autoantigen; helicase with 2 CARD domains; RNA helicase-DEAD box protein 116; murabutide down-regulated protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; melanoma differentiation associated protein-5; melanoma differentiation-associated protein 5; interferon-induced with helicase C domain protein 1; clinically amyopathic dermatomyositis autoantigen 140 kDa; MDA-5; MGC133047;
Gene ID	64135
mRNA Refseq	NM_022168
Protein Refseq	NP_071451
MIM	606951
UniProt ID	Q9BYX4
Chromosome Location	2q24.2

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Pathway	Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Innate Immune System, organism-specific biosystem; Measles, organism-specific biosystem;
Function	ATP binding; DNA binding; double-stranded RNA binding; helicase activity; hydrolase activity, acting on acid anhydrides; metal ion binding; nucleotide binding; protein binding; ribonucleoprotein complex binding; zinc ion binding;

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