

Recombinant Human DDX58 293 Cell Lysate

Cat. No. DDX58-7000HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58) 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

DDX58 DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 [Homo sapiens]

Official Symbol

DDX58

Synonyms

DDX58; DEAD (Asp-Glu-Ala-Asp) box polypeptide 58; probable ATP-dependent RNA helicase DDX58; DKFZp434J1111; FLJ13599; retinoic acid inducible gene I; RIG I; RNA helicase RIG I; RIG-1; RNA helicase RIG-I; DEAD box protein 58; retinoic acid-inducible gene 1 protein; retinoic acid-inducible gene I protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; RIG-I; DKFZp686N19181;

Gene ID

23586

mRNA Refseq

NM_014314

Protein Refseq

NP_055129

MIM

609631

UniProt ID

O95786

**Chromosome
Location**

9p12

Pathway

Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytosolic DNA-sensing

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pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem;

Function

ATP binding; ATP-dependent helicase activity; double-stranded DNA binding; double-stranded RNA binding; helicase activity; hydrolase activity, acting on acid anhydrides; identical protein binding; metal ion binding; nucleotide binding; protein binding; zinc ion binding;

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