

Recombinant Human DDX1 293 Cell Lysate

Cat. No. DDX1-7021HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 (DDX1) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

DDX1 DEAD (Asp-Glu-Ala-Asp) box helicase 1 [Homo sapiens]

Official Symbol

DDX1

Synonyms

DDX1; DEAD (Asp-Glu-Ala-Asp) box helicase 1; DEAD (Asp Glu Ala Asp) box polypeptide 1 , DEAD/H (Asp Glu Ala Asp/His) box polypeptide 1; ATP-dependent RNA helicase DDX1; DBP RB; DEAD box-1; DEAD box protein 1; DEAD box polypeptide 1; DEAD box protein retinoblastoma; DEAD (Asp-Glu-Ala-Asp) box polypeptide 1; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1; DBP-RB; UKVH5d;

Gene ID

1653

mRNA Refseq

NM_004939

Protein Refseq

NP_004930

MIM

601257

UniProt ID

Q92499

**Chromosome
Location**

2p24

Pathway

mRNA processing, organism-specific biosystem;

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Function

ATP binding; ATP-dependent helicase activity; DNA binding; DNA/RNA helicase activity; RNA binding; RNA helicase activity; chromatin binding; exonuclease activity; hydrolase activity; nuclease activity; nucleotide binding; poly(A) RNA binding; protein binding; transcription cofactor activity;

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