Recombinant Human DDX31 293 Cell Lysate

Cat. No. DDX31-7010HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 (DDX31), transcript variant 1 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	DDX31 DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 [Homo sapiens]
Official Symbol	DDX31
Synonyms	DDX31; DEAD (Asp-Glu-Ala-Asp) box polypeptide 31; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 31; probable ATP-dependent RNA helicase DDX31; FLJ13633; FLJ14578; FLJ23349; PPP1R25; protein phosphatase 1; regulatory subunit 25; helicain; G2 helicase; DEAD box protein 31; DEAD/DEXH helicase DDX31; protein phosphatase 1, regulatory subunit 25; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 31;
Gene ID	64794
mRNA Refseq	NM_022779
Protein Refseq	NP_073616
UniProt ID	Q9H8H2
Chromosome Location	9q34.2
Function	ATP binding; ATP-dependent helicase activity; RNA binding; helicase activity; hydrolase activity; nucleotide binding;

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