Recombinant Human DNAJA1 293 Cell Lysate

Cat. No. DNAJA1-6895HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for DnaJ (Hsp40) homolog, subfamily A, member 1 (DNAJA1) 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	DNAJA1 DnaJ (Hsp40) homolog, subfamily A, member 1 [Homo sapiens]
Official Symbol	DNAJA1
Synonyms	DNAJA1; DnaJ (Hsp40) homolog, subfamily A, member 1; HSJ2; dnaJ homolog subfamily A member 1; dj 2; hdj 2; HSPF4; NEDD7; neural precursor cell expressed; developmentally down regulated 7; HSJ-2; human DnaJ protein 2; heat shock protein J2; dnaJ protein homolog 2; heat shock 40 kDa protein 4; heat shock protein, DNAJ-like 2; neural precursor cell expressed, developmentally down-regulated 7; DJ-2; DjA1; HDJ2; HSDJ; hDJ-2;
Gene ID	3301
mRNA Refseq	NM_001539
Protein Refseq	NP_001530
MIM	602837
UniProt ID	P31689
Chromosome Location	9p13.3
Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem;

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	Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; Regulation of Androgen receptor activity, organism-specific biosystem;
Function	ATP binding; heat shock protein binding; low-density lipoprotein particle receptor binding; metal ion binding; unfolded protein binding;

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