

Recombinant Human SIRT6 293 Cell Lysate

Cat. No. SIRT6-1829HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for sirtuin (silent mating type information regulation 2 homolog) 6 (<i>S. cerevisiae</i>) (SIRT6) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SIRT6 sirtuin 6 [Homo sapiens]
Official Symbol	SIRT6
Synonyms	SIRT6; sirtuin 6; sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 6; NAD-dependent deacetylase sirtuin-6; sirtuin type 6; SIR2-like protein 6; sir2-related protein type 6; SIR2L6;
Gene ID	51548
mRNA Refseq	NM_001193285
Protein Refseq	NP_001180214
MIM	606211
UniProt ID	Q8N6T7
Chromosome Location	19p13.3
Pathway	Signaling events mediated by HDAC Class I, organism-specific biosystem;
Function	NAD(P) ⁺ -protein-arginine ADP-ribosyltransferase activity; NAD ⁺ ADP-ribosyltransferase activity; NAD ⁺ binding; NAD-dependent histone deacetylase activity; NAD-dependent histone deacetylase activity (H3-K9 specific); hydrolase

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activity; metal ion binding; protein binding; zinc ion binding;

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