

Recombinant Human SIRT1 lysate

Cat. No. SIRT1-595HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Over-expression cells lysed in RIPA buffer and lysate supplied in SDS loading buffer
Species	Human
Source	HEK293
Molecular Mass	61886.16Da
Recommended Usage	WB
Storage Instruction	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

GENE INFORMATION

Gene Name	SIRT1 sirtuin 1 [Homo sapiens]
Official Symbol	SIRT1
Synonyms	SIRT1; sirtuin 1; sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1; NAD-dependent deacetylase sirtuin-1; SIR2L1; hSIR2; hSIRT1; SIR2alpha; sir2-like 1; sirtuin type 1; SIR2-like protein 1;
Gene ID	23411

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mRNA Refseq	NM_001142498
Protein Refseq	NP_001135970
MIM	604479
UniProt ID	Q96EB6
Chromosome Location	10q21
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; E2F transcription factor network, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; FoxO family signaling, organism-specific biosystem; HIF-2-alpha transcription factor network, organism-specific biosystem; Regulation of Androgen receptor activity, organism-specific biosystem;
Function	HLH domain binding; NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity; NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent protein deacetylase activity; NAD-dependent protein deacetylase activity; bHLH transcription factor binding; deacetylase activity; enzyme binding; histone binding; histone deacetylase activity; identical protein binding; metal ion binding; mitogen-activated protein kinase binding; p53 binding; protein C-terminus binding; protein binding; protein deacetylase activity; transcription corepressor activity; transcription corepressor activity; zinc ion binding;