

Recombinant Human SIRT5 293 Cell Lysate

Cat. No. SIRT5-1830HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for sirtuin (silent mating type information regulation 2 homolog) 5 (*S. cerevisiae*) (SIRT5), 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

SIRT5 sirtuin 5 [Homo sapiens]

Official Symbol

SIRT5

Synonyms

SIRT5; sirtuin 5; sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 5; NAD-dependent lysine demalonylase and desuccinylase sirtuin-5, mitochondrial; sir2-like 5; sirtuin type 5; SIR2-like protein 5; NAD-dependent deacetylase sirtuin-5; silent mating type information regulation 2, S.cerevisiae, homolog 5; SIR2L5; FLJ36950;

Gene ID

23408

mRNA Refseq

NM_001193267

Protein Refseq

NP_001180196

MIM

604483

UniProt ID

Q9NXA8

Chromosome Location

6p23

Pathway

Signaling events mediated by HDAC Class I, organism-specific biosystem;

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Function

NOT NAD⁺ ADP-ribosyltransferase activity; NAD⁺ binding; hydrolase activity; metal ion binding; protein-malonyllysine demalonylase activity; protein-succinyllysine desuccinylase activity; zinc ion binding;

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