

## Recombinant Human SIRT1 protein, His-tagged

Cat. No. SIRT1-6323H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SIRT1 protein(1-350 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-350 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
<b>AASequence</b>	MIGTDPRTILKDLLPETIPPELDDMTLWQIVINILSEPPKRKRKRDINTIEDAVKLLQEC KKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVDFPDLDPDQAMFDIEYFRKDPRPFFK FAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNIDTLEQVAGIQRIIQCHGSFATAS CLICKYKVDCEAVRGALFSQVVPRCPCPADEPLAIMKPEIVFFGENLPEQFHRAMK YDKDEVDLLIVIGSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVELLGDGCDVIINE LCHRLGGEYAKLCCNPVKLSEITEKPPRTQKELAYLSELPTPLHVSEDSSSPE
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## 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](#)

**mRNA Refseq** [NM\\_001142498](#)

**Protein Refseq** [NP\\_001135970](#)

**MIM** [604479](#)

**UniProt ID** [Q96EB6](#)

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SDS-PAGE



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