

Recombinant Human SIRT1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SIRT1 protein(1-350 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-350 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	MIGTDPRTILKDLLPETIPPELDDMTLWQIVINILSEPPKRRKKRDINTIEDAVKLLQEC KKIIVLTGAGVSVSCGIPDFRSRDGIYARLAVDFPDLPDPQAMFDIEYFRKDPRPFFK FAKEIYPGQFQPSLCHKFIALSDKEGKLLRNYTQNIDTLEQVAGIQRIIQCHGSFATAS CLICKYKVDCEAVRGALFSQVVPRCPRCPADEPLAIMKPEIVFFGENLPEQFHRAMK YDKDEVDLLIVIGSSLKVRPVALIPSSIPHEVPQILINREPLPHLHFDVELLGDCDVIINE LCHRLGGEYAKLCCNPVKLSEITEKPPRTQKELAYLSELPPTPLHVSEDSSSPE
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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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