

Recombinant Mouse SIRT1 Protein, His-tagged

Cat. No. SIRT1-100M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse sirtuin 1 (aa 2-737) was expressed in E. coli and fused with the N-terminal His-tag.
Species	Mouse
Source	E.coli
ProteinLength	2-737 a.a.
Description	The SIRT family of genes are highly conserved from prokaryotes to eukaryotes and are involved in diverse processes including transcriptional regulation, cell cycle progression, DNA damage repair and aging. Sirtuins utilize NAD ⁺ as a substrate to catalyze deacetylation of specific acetylated protein and histones. SIRT1 has been shown to be induced by caloric restriction (CR) in several tissues and SIRT1 mediated deacetylase activity attenuates B-amyloid content in the brain during CR.
Form	55 mM Tris-HCl, pH 8.2, 150 mM NaCl
Molecular Mass	~100kDa (SDS-PAGE)
Storage	Store at +4 centigrade for immediate use, or aliquot and store at -20 centigrade for up to 3 months. Avoid repeat freeze-thaw cycles.

GENE INFORMATION

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Gene Name	Sirt1 sirtuin 1 [Mus musculus (house mouse)]
Official Symbol	Sirt1
Synonyms	SIRT1 Protein, SIR2-like protein 1 Protein, SIR2alpha Protein, SIR2L1 Protein, Sirtuin 1 Protein, Sir2-like 1 Protein, Sirtuin type 1 Protein, HSIR2 Protein, HSIRT1 Protein
Gene ID	93759
mRNA Refseq	NM_019812.3
Protein Refseq	NP_062786.1
UniProt ID	Q923E4

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