

## Recombinant Human SIRT2, His-tagged

Cat. No. SIRT2-929H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SIRT2 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 41.7kDa (372aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-352 aa
<b>Description</b>	SIRT2 (NAD-dependent deacetylase sirtuin-2) is a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes and are involved in diverse processes, including transcriptional regulation, cell cycle progression, DNA-damage repair and aging. SIRT2 is a NAD-dependent deacetylase, which deacetylates the "Lys-40" of alpha-tubulin.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 2mM DTT, 200mM NaCl, 0.5mM EDTA.
<b>Purity</b>	> 90% by SDS - PAGE.
<b>Concentration</b>	0.25mg/ml (determined by Bradford assay).
<b>Sequences Of Amino</b>	MGSSHHHHHH SSGLVPRGSH MDFLRNLFSSQ TSLSGSQKER LLELTLEGV ARY

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**Acids**

MQSERCR RVICLVGAGI STSAGIPDFR SPSTGLYDNL EKYHLPYPEA  
 IFEISYFKKH PEPFFALAKE LYPGQFKPTI CHYFMRLKLD KGLLLRCYTQ  
 NIDTLERIAG LEQE DLVEAH GTFYTSHCVSASCRHEYPLS WMKEKIFSEV  
 TPKCEDCQSL VKPDI VF FGE SLPARFFSCM QSDFLKVDLL LVMGTSLQVQ  
 PFASLISKAP LSTPRLLINK EK A GQ SDPFL GMIMGLGGGM DFDSKKAYRD  
 VAWLGECDQG CLALAELLGW KKE LEDL VRR EHASIDAQSG AGVNPSTSA  
 SPKKSPPPAK DEARTTEREK PQ.

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name**

[SIRT2 sirtuin \(silent mating type information regulation 2 homolog\) 2 \(S. cerevisiae\) \[ Homo sapiens \]](#)

**Synonyms**

sirtuin (silent mating type information regulation 2 homolog) 2 (S. cerevisiae); SIR2; SIR2L; SIR2L2; SIRT2; sirtuin 2; sirtuin type 2; sir2-related protein type 2; silent information regulator 2; silencing information regulator 2-like; EC 3.5.1.-; SIR2-like; SIR2-like protein 2; sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 2

**Gene ID**

[22933](#)

**mRNA Refseq**

[NM\\_012237](#)

**Protein Refseq**

[NP\\_036369](#)

**MIM**

[604480](#)

**UniProt ID**

[Q8IXJ6](#)

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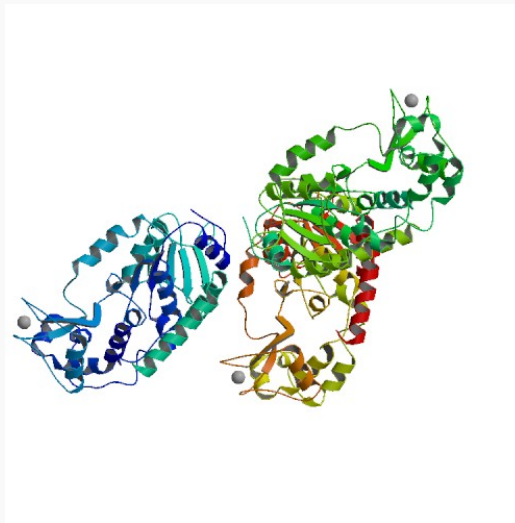
**Chromosome  
Location**

19q13

**Function**

NAD binding; NAD+ ADP-ribosyltransferase activity; NAD-dependent histone deacetylase activity; histone acetyltransferase binding; histone deacetylase binding; hydrolase activity; metal ion binding; transcription factor binding; tubulin deacetylase activity; ubiquitin binding; zinc ion binding

**PDB rendering based  
on 1j8f.**



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