

Recombinant Human SIRT6 Protein, His-tagged

Cat. No. SIRT6-2691H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRT6 Protein (Trp35-Pro274) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Trp35-Pro274
Description	This gene encodes a member of the sirtuin family of NAD-dependent enzymes that are implicated in cellular stress resistance, genomic stability, aging and energy homeostasis. The encoded protein is localized to the nucleus, exhibits ADP-ribosyl transferase and histone deacetylase activities, and plays a role in DNA repair, maintenance of telomeric chromatin, inflammation, lipid and glucose metabolism. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.4 kDa Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SIRT6 sirtuin 6 [Homo sapiens (human)]
Official Symbol	SIRT6
Synonyms	SIRT6; sirtuin 6; sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae), sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 6; NAD-dependent deacetylase sirtuin-6; sirtuin type 6; SIR2-like protein 6; sir2-related protein type 6; SIR2L6;
Gene ID	51548
mRNA Refseq	NM_001193285
Protein Refseq	NP_001180214

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MIM	606211
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UniProt ID	Q8N6T7
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