

Recombinant Human SIRT6, T7 -tagged

Cat. No. SIRT6-28517TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SIRT6 with N-terminal proprietary tag, 65 kDa.
Species	Human
Source	E.coli
Description	This gene encodes 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. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family. Alternative splicing results in multiple transcript variants.
Conjugation	T7
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.05% Tween 20, 25mM Tris HCl, 100mM Sodium chloride, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.

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Similarities

Full Length Full L.

GENE INFORMATION

Gene Name SIRT6 sirtuin 6 [Homo sapiens]

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;

Gene ID 51548

mRNA Refseq NM_016539

Protein Refseq NP_057623

MIM 606211

Uniprot ID Q8N6T7

Chromosome Location 19p13.3

Pathway Signaling events mediated by HDAC Class I, organism-specific biosystem;

Function NAD(P)+-protein-arginine ADP-ribosyltransferase activity; NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity; NAD-dependent histone deacetylase activity (H3-K9 specific);

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