

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	<p>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.</p>
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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