

Recombinant Human SIRT7, T7 -tagged

Cat. No. SIRT7-30848TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SIRT7 , with N terminal proprietary tag.
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.
Conjugation	T7
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.05% Tween 20, 25mM Tris HCl, 100mM Sodium chloride, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequence Similarities	Belongs to the sirtuin family.Contains 1 deacetylase sirtuin-type domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	SIRT7 sirtuin 7 [Homo sapiens]
Official Symbol	SIRT7
Synonyms	SIRT7; sirtuin 7; sirtuin (silent mating type information regulation 2 homolog) 7 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 7; NAD-dependent deacetylase sirtuin-7;
Gene ID	51547
mRNA Refseq	NM_016538
Protein Refseq	NP_057622
MIM	606212
Uniprot ID	Q9NRC8
Chromosome Location	17q25.3
Pathway	Signaling events mediated by HDAC Class I, organism-specific biosystem; Signaling events mediated by HDAC Class III, organism-specific biosystem;
Function	NAD+ binding; hydrolase activity; metal ion binding; protein binding; zinc ion binding;

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