

Recombinant Human SIRT7, His-tagged

Cat. No. SIRT7-30867TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SIRT7 with N terminal His tag; MWt 46 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	400 amino acids
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.</p>
Conjugation	HIS
Molecular Weight	46.000kDa inclusive of tags
Biological activity	The Specific activity of SIRT7-30867TH was determined to be 140 RLU/min/ng.
Form	Liquid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 50mM Sodium phosphate, 300mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.

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	17q25.3

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Location

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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