Recombinant Human SIRT2 Protein, His-tagged

Cat. No. SIRT2-647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SIRT2(Glu65~Glu340) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu65~Glu340
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 I of the sirtuin family. Several transcript variants are resulted from alternative splicing of this gene.
Form	20mM Tris, 150mM NaCl,pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	34.83kDa
Identity	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.

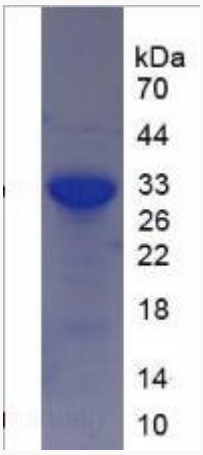
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Do not vortex.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	SIRT2 sirtuin 2 [Homo sapiens]
Official Symbol	SIRT2
Synonyms	SIRT2; sirtuin 2; SIR2L, sirtuin (silent mating type information regulation 2 homolog) 2 (S. cerevisiae) , sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 2; NAD-dependent deacetylase sirtuin-2; sirtuin type 2; SIR2-like protein 2; sir2-related protein type 2; silent information regulator 2; SIR2; SIR2L; SIR2L2; FLJ35621; FLJ37491;

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Gene ID	22933
mRNA Refseq	NM_030593
Protein Refseq	NP_085096
MIM	604480
UniProt ID	Q8IXJ6
	

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