Recombinant Human SIRT2 Protein, His-tagged

Cat. No. SIRT2-107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant N-terminal His-tagged human SIRT2 protein (2-389) was purified from E. coli.
Species	Human
Source	E.coli
ProteinLength	2-389
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.
Molecular Mass	44.2 kDa
Purity	≥90% as determined by SDS-PAGE
Unit Definition	One unit is defined as the amount of enzyme required to produce 1 nmol of 7-amino-4-methylcouarin per minute at 25 centigrade in 50 mM Tris-HCl, pH 8.0, 137 mM NaC

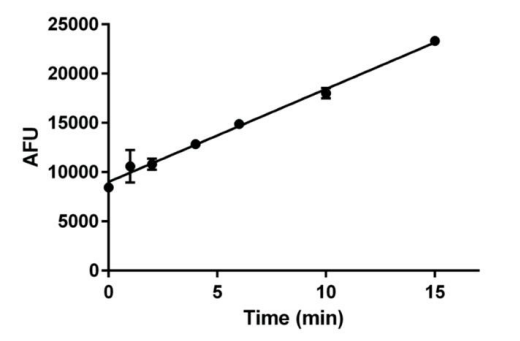
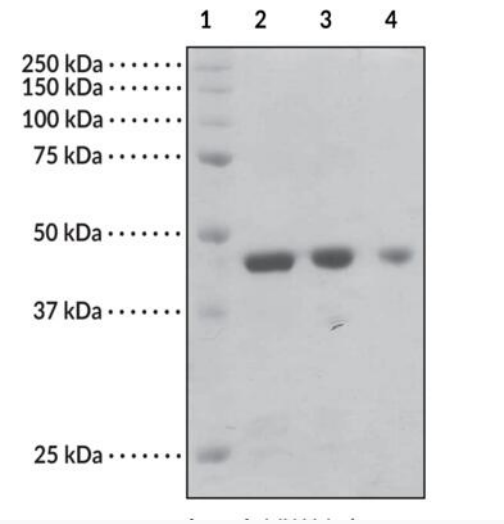
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	l, 2.7 mM KCl, 1 mM MgCl2, containing 125 μM p53 amino acids 317-320 (Gln-Pro-Lys-Lys(e-acetyl)-AMC), and 6 mM NAD+.
Stability	≥ 1 year
Storage	At -80 centigrade.
Storage Buffer	50 mM sodium phosphate, pH 7.2, containing 100 mM sodium chloride and 20% glycerol

GENE INFORMATION

Gene Name	SIRT2 sirtuin 2 [Homo sapiens (human)]
Official Symbol	SIRT2
Synonyms	SIRT2; sirtuin 2; SIR2; SIR2L; SIR2L2; NAD-dependent protein deacetylase sirtuin-2; NAD-dependent deacetylase sirtuin-2; SIR2-like protein 2; regulatory protein SIR2 homolog 2; silent information regulator 2; sir2-related protein type 2; sirtuin type 2; EC 2.3.1.286
Gene ID	22933
mRNA Refseq	NM_012237
Protein Refseq	NP_036369
MIM	604480
UniProt ID	Q8IXJ6

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

SIRT2 Activity Assay	
SDS-PAGE analysis of SIRT2	 Lane 1: MW Markers Lane 2: SIRT2 (5 µg) Lane 3: SIRT2 (2.5 µg) Lane 4: SIRT2 (1.25 µg)

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