

Recombinant Human SIRT2 Protein, His-tagged

Cat. No. SIRT2-23H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SIRT2(2-389) protein with a N-terminal His-tag was expressed in 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% estimated 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 NaCl

 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



I, 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 Store it 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

Gene ID 22933

mRNA Refseq NM_001193286

Protein Refseq NP_001180215

MIM 604480

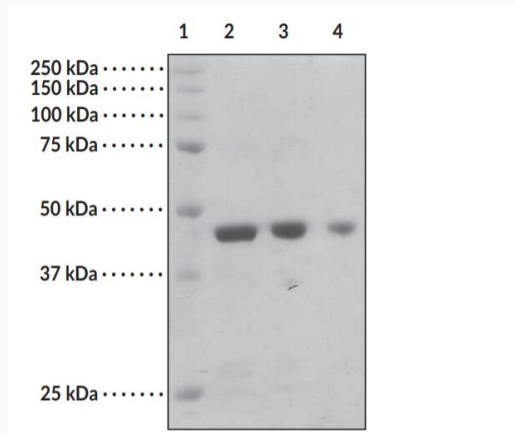
UniProt ID Q8IXJ6

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

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

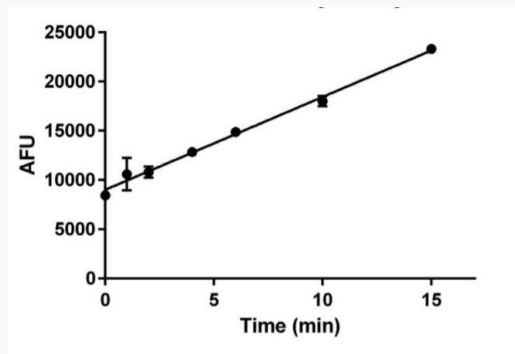
45-1 Ramsey Road, Shirley, NY 11967, USA

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). Representative gel image shown; actual purity may vary between each batch.

SIRT2 Activity Assay



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