

## Active Recombinant Human SIRT2 Protein (50-356), C-6xHis tagged

Cat. No. SIRT2-31405TH Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human SIRT2 Protein (50-356) with C-6xHis tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 50-356

**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** Aqueous buffer solution

**Bio-activity**  $\geq 1.0$  pmol/min/ $\mu$ g.

**Molecular Mass** 36 kDa

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|                       |   |
|-----------------------|---|
| <b>Purity</b>         | ≥90%  |
| <b>Applications</b>   | Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.   |
| <b>Usage</b>          | Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. |
| <b>Storage</b>        | At least 6 months at -80 centigrade.  |
| <b>Storage Buffer</b> | 40 mM Tris, pH 8.0, 110 mM NaCl, 2.1 mM KCl, and 20% glycerol.  |
| <b>Shipping</b>       | At -80 centigrade.  |
| <b>Warning</b>        | Avoid freeze/thaw cycles.   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | SIRT2 sirtuin 2 [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | SIRT2   |
| <b>Synonyms</b>        | SIRT2; sirtuin 2; SIR2; SIR2L; SIR2L2; NAD-dependent protein deacetylase sirtuin-2; NAD-dependent deacetylase sirtuin-2; NAD-dependent protein defatty-acylase 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 |
| <b>Gene ID</b>         | 22933   |
| <b>mRNA Refseq</b>     | NM_012237   |
| <b>Protein Refseq</b>  | NP_036369   |

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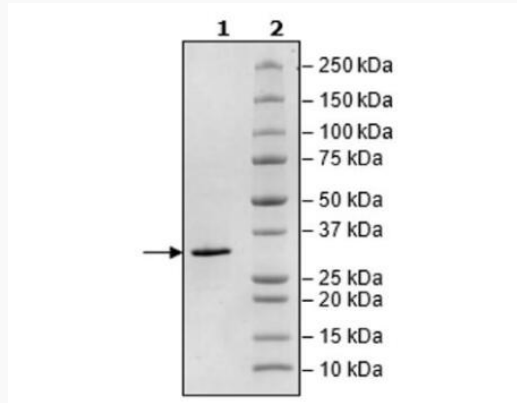
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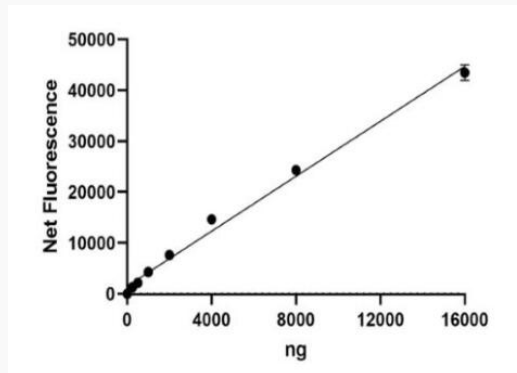
**MIM** 604480

**UniProt ID** Q8IXJ6

**SDS-PAGE**



**Activity**



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