

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	≥1.0 pmol/min/μg.
Molecular Mass	36 kDa

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Purity	≥90%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Usage	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.
Storage	At least 6 months at -80 centigrade.
Storage Buffer	40 mM Tris, pH 8.0, 110 mM NaCl, 2.1 mM KCl, and 20% glycerol.
Shipping	At -80 centigrade.
Warning	Avoid freeze/thaw cycles.

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; 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
Gene ID	22933
mRNA Refseq	NM_012237
Protein Refseq	NP_036369

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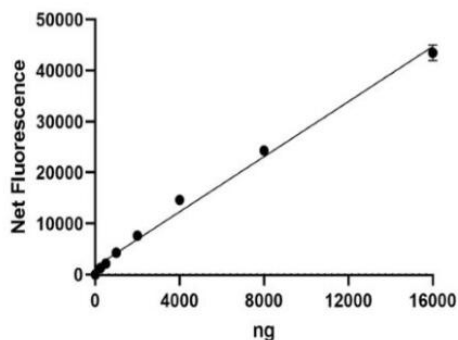
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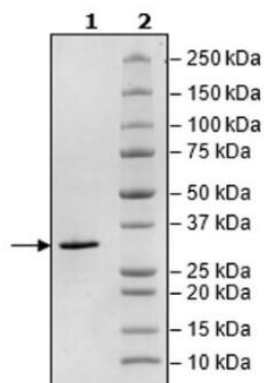
MIM 604480

UniProt ID Q8IXJ6

Activity



SDS-PAGE



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