

SIRT1 FRET-Based Screening Assay Kit

Catalog # KA1367

Size 1 Kit

Applications

Result Data

Result Data

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Inhibition of SIRT1 by Sirtinol (IC_{50} = 38 μ M).

Specification

Product Description	SIRT1 FRET-based Screening Assay Kit provides a fluorescence-based method for screening SIRT 1 inhibitors or activators.
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at -80°C.
Note	Result Data Result Data Inhibition of SIRT1 by Sirtinol (IC_{50} = 38 μ M).

Applications

- Functional Study

Gene Info — SIRT1

Entrez GeneID [23411](#)

Gene Name	SIRT1
Gene Alias	SIR2L1
Gene Description	sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)
Omim ID	604479
Gene Ontology	Hyperlink
Gene Summary	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	OTTHUMP00000019691 OTTHUMP00000060745 SIR2alpha sir2-like 1 sirtuin 1 sirtuin type 1

Disease

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