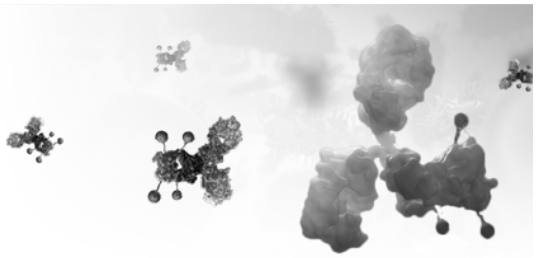

Human SIRT2 blocking peptide (DAG-P1146)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2010]
Specificity	Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulatio
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the sirtuin family.Contains 1 deacetylase sirtuin-type domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SIRT2 sirtuin 2 [Homo sapiens (human)]
Official Symbol	SIRT2

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Synonyms	SIRT2; sirtuin 2; SIR2; SIR2L; SIR2L2; NAD-dependent protein deacetylase sirtuin-2; sirtuin-2; sirtuin type 2; SIR2-like protein 2; sir2-related protein type 2; silent information regulator 2; regulatory protein SIR2 homolog 2; NAD-dependent deacetylase sirtuin-2;
Entrez Gene ID	22933
mRNA Refseq	NM_001193286.1
Protein Refseq	NP_001180215.1
UniProt ID	Q8IXJ6
Chromosome Location	19q13
Pathway	Signaling events mediated by HDAC Class I, organism-specific biosystem; Signaling events mediated by HDAC Class III, organism-specific biosystem;
Function	NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity; NAD-dependent histone deacetylase activity (H4-K16 specific); NAD-dependent protein deacetylase activity; histone acetyltransferase binding; histone deacet

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