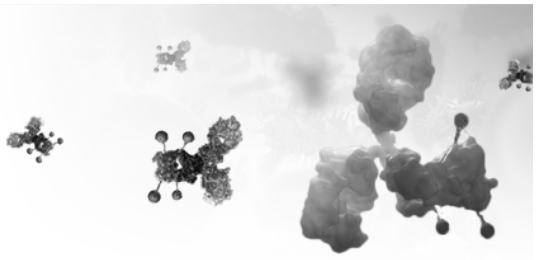

SIRT3 blocking peptide (CDBP6121)

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. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	SIRT3 sirtuin 3 [Homo sapiens (human)]
Official Symbol	SIRT3
Synonyms	SIRT3; sirtuin 3; SIR2L3; NAD-dependent protein deacetylase sirtuin-3, mitochondrial; sir2-like 3; sirtuin type 3; SIR2-like protein 3; regulatory protein SIR2 homolog 3; NAD-dependent

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	deacetylase sirtuin-3, mitochondrial; silent mating type information regulation 2, S.cerevisiae, homolog 3; mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase
Entrez Gene ID	23410
mRNA Refseq	NM_001017524
Protein Refseq	NP_001017524
UniProt ID	Q9NTG7
Pathway	Energy Metabolism; Mitochondrial biogenesis; Organelle biogenesis and maintenance; Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class III; Transcriptional activation of mitochondrial biogenesis
Function	NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; NAD-dependent histone deacetylase activity (H3-K14 specific); protein binding; zinc ion binding

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