



## SIRT5 blocking peptide (CDBP6123)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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 III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2010]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">SIRT5 sirtuin 5 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	SIRT5
<b>Synonyms</b>	SIRT5; sirtuin 5; SIR2L5; NAD-dependent protein deacylase sirtuin-5, mitochondrial; sir2-like 5; sirtuin type 5; SIR2-like protein 5; regulatory protein SIR2 homolog 5; NAD-dependent

deacetylase sirtuin-5; silent mating type information regulation 2, S.cerevisiae, homolog 5;  
NAD-dependent lysine demalonylase and desuccinylase sirtuin-5, mitochondrial

Entrez Gene ID	<a href="#">23408</a>
mRNA Refseq	<a href="#">NM_001193267</a>
Protein Refseq	<a href="#">NP_001180196</a>
UniProt ID	Q9NXA8
Pathway	Signaling events mediated by HDAC Class I
Function	NOT NAD+ ADP-ribosyltransferase activity; NAD+ binding; protein-malonyllysine demalonylase activity; protein-succinyllysine desuccinylase activity; zinc ion binding