9051 Mira Mesa Blvd, #910094
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SIRT1 Human

Sirtuin-1 Human Recombinant
RCP2105

Product Overview

Name	SIRT1 Human
Description	
Sirtuin-1 Human Recombinant	
Accession (Primary)	Q96EB6
Synonyms	
Sirtuin 1, SIRT1, SIR2L1, Regulatory Protein SIR2 Homolog 1, hSIR2, hSIRT1, SIR2-Like Protein 1, SIR2alpha, NAD-Dependent Deacetylase Sirtuin-1, NAD-Dependent Protein Deacetylase Sirtuin-1, Sir2-Like 1, Sirtuin Type 1, EC 3.5.1.-.	
Introduction	
Sirtuin-1 (SIRT1) belongs to the sirtuin family of proteins, homologs to the yeast Sir2 protein. Sirtuin family members are characterized by a sirtuin core domain and grouped into 4 classes. The functions of human sirtuins have not yet been established; though, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. It has been proposed that the human sirtuins may serve as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The SIRT1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHM KK IIVLTGAGVS VSCGIPDFRS RDGIYARLAV DFPDLPDPQA MFDIEYFRKD PRPFFKFAKE IYPGQFQPSL CHKFIALSDK EGKLLRNYTQ NIDTLEQVAG	

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IQRIIQCHGS FATASCLICK YKVDCEAVRG DIFNQVVPRC PRCPADEPLA IMKPEIVFFG ENLPEQFHRA MKYDKDEVDL LIVIGSSLKV RPVALIPSSI PHEVPQILIN REPLPHLHFD VELLGDCDVI INELCHRLGG.

Precautions

SIRT1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96EB6)