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32-4849: Recombinant Human Sirtuin-1

Alternative Name :	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.-.

Description

Source : Escherichia Coli. SIRT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 280 amino acids (254-495) and having a molecular mass of 31.6 kDa.SIRT1 is fused to a 38 amino acid His-tag at N-terminus. 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.

Product Info

Amount :	20 µg
Purification :	"Greater than 90.0% as determined by SDS-PAGE."
Content :	The SIRT1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	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.
Amino Acid :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMKK IIVLTGAGVS VSCGIPDFRS RDGIYARLAV DFPDLPDPQA MFDIEYFRKD PRPFFKFAKE IYPGQFQPSL CHKFIALSDK EGKLLRNYTQ NIDTLEQVAG IQRIIQCHGS FATASCLICK YKVDCEAVRG DIFNQVVPRC PRCPADEPLA IMKPEIVFFG ENLPEQFHRA MKYDKDEVDL LIVIGSSLKV RPVALIPSSI PHEVPQILIN REPLPHLHFD VELLGDCDVI INELCHRLGG.

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