

Sirtuin-1 Human Recombinant

| | |
|--|--|
| Item Number | rAP-4805 |
| 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.-. |
| Description | 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. |
| Uniprot Accession Number | Q96EB6 |
| Amino Acid Sequence | 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. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered clear solution. 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. |
| Formulation and Purity | The SIRT1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 90.0% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**