

## Sirtuin 3 Human Recombinant

<b>Item Number</b>	rAP-4807
<b>Synonyms</b>	Sirtuin 3, SIR2-like protein 3, Sir2-like 3, NAD-dependent deacetylase sirtuin-3, mitochondrial.
<b>Description</b>	SIRT3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 303 amino acids (118-399a.a.) and having a molecular mass of 33.5kDa. SIRT3 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q9NTG7
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MSDKKGKLSLQ DVAELIRARA CQRVVMVGA GISTPSGIPD FRSPGSLYS NLQQYDLPYP EAIFELPFFF HNPKPFFTLA KELYPGNYKP NVTHYFLRLL HDKGLLLRLY TQNIDGLERV SGIPASKLVE AHGTFASATC TVCQRPFPG E DIRADVMADR VPRCPVCTGV VKPDIVFFGE PLPQRFLLHV VDFPMADLLL ILGTSLEVEP FASLTEAVRS SVPRLINRD LVGPLAWHPR SRDVAQLGDV VHGVESLVEL LGWTEEMRDL VQRETGKLDG PDK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The SIRT3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 0.1M NaCl, 10% glycerol. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**