9051 Mira Mesa Blvd, #910094
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SIRT3 Human

Sirtuin 3 Human Recombinant
RCP2107

Product Overview

Name	SIRT3 Human
Description	
Sirtuin 3 Human Recombinant	
Accession (Primary)	Q9NTG7
Synonyms	
Sirtuin 3, SIR2-like protein 3, Sir2-like 3, NAD-dependent deacetylase sirtuin-3, mitochondrial.	
Introduction	
SIRT3 is a member of a family of proteins called Sirtuin. Proteins of the Sirtuin family are characterized by a Sirtuin core domain and grouped into four classes. The roles of human Sirtuins are numerous and are important in aging prosseses, stress resistance and metabolic regulation. SIRT3 shows NAD+-dependent deacetylase activity in the mitochondria. Over-expression of SIRT3 causes increased levels of the mitochondrial uncoupling protein 1. Also, in certain breast cancers the levels of SIRT3 protein are found to be extremely high.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The SIRT3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 0.1M NaCl, 10% glycerol.	
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). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M SDKGKLSLQ DVAELIRARA CQRVVVMVGA GISTPSGIPD FRSPGSGLYS NLQQYDLPYP EAIFELPFFF HNPKPFFTLA KELYPGNYKP NVTHYFLRLL HDKGLLLRLY TQNIDGLERV SGIPASKLVE AHGTFASATC TVCQRPFPGE DIRADVMADR VPRCPVCTGV VKPDIVFFGE PLPQRFLLHV	

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VDFPMADLLL ILGTSLEVEP FASLTEAVRS SVPRLLINRD LVGPLAWHPR SRDVAQLGDV VHGVESLVEL LGWTEEMRDL VQRETGKLDG PDK.

Precautions

SIRT3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NTG7)