
Product Data Sheet

Product Name: SIRT2 Human
 Cat. No.: GP24593
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Sirtuin 2; SIR2L2; SIR2-like protein 2; NAD-dependent deacetylase sirtuin-2; Silent Information Regulator 2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDFLRNLFSSQ TSLGGSQKER LDELTLLEGV ARYMQSERCR RVICLVGAGI STSAGIPDFR SPSTGLYDNL EKYHLPYPEA IFEISYFKKH PEPFFALAKE LYPGQFKPTI CHYFMRLKLD KGLLLRCYTQ NIDTLERIAG LEQEDLVEAH GTFYTSHCVS ASCRHEYPLS WMKEKIFSEV TPKCEDCQSL VKPDIVFFGE SLPARFFSCM QSDFLKVDLL LVMGTSLQVQ PFASLISKAP LSTPRLLINK EKAGQSDPFL GMIMGLGGGM DFDSKKAYRD VAWLGECDDQG CLALAELLGW KKELEDLVRR EHASIDAQSG AGVNPSTSA SPKKSPPPAK DEARTTEREK PQ		
Formulation	The SIRT2 protein solution (0.25mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 2mM DTT, 200mM NaCl, 0.5mM EDTA and 30% glycerol.		

Introduction

SIRT2 belongs to the sirtuin family of proteins, homologs to the yeast Sir2 protein. Proteins of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes and take part in various processes, including transcriptional regulation, cell cycle progression, DNA-damage repair and aging. SIRT2 is a NAD-dependent deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin.

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. Please avoid freeze thaw cycles.

Background

SIRT2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 372

Caution: Product has not been fully validated for medical applications. For research use only.

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amino acids (1-352a.a.) and having a molecular mass of 41.7kDa. SIRT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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