

## SIRT2 Human

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

**Catalog #:** PRPS-040

For research use only.

**Synonyms:** Sirtuin 2, SIR2L2, SIR2-like protein 2, NAD-dependent deacetylase sirtuin-2, Silent Information Regulator 2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MDFLRNLFSSQ TSLGGSQKER  
LDELTLLEGV ARYMQSERC R RVICLVGAGI STSAGIPDFR SPSTGLYDNL EKYHLPYPEA  
IFEISYFKKH PEPFFALAKE LYPGQFKPTI CHYFMRLKDG KGLLLRCYTQ NIDTLERAG  
LEQEDLVEAH GTFYTSHCVS ASCRHEYPLS WMKEKIFSEV TPKCEDCQSL VKPDIVFFGE  
SLPARFFSCM QS

**Purity:** Greater than 90% as determined by SDS-PAGE.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

**Storage:**

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.

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