

Sirtuin-3 Recombinant Protein | SIRT3 recombinant protein

Recombinant Human Sirtuin-3

CATALOG # AAA38879	HOST E Coli
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PRODUCT SYNONYMS

Sirtuin-3; Recombinant Human Sirtuin-3; SIRT3 Human; Sirtuin 3 Human Recombinant; Sirtuin 3; SIR2-like protein 3; Sir2-like 3; NAD-dependent deacetylase sirtuin-3; mitochondrial; SIRT3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	The SIRT3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 0.1M NaCl, 10% glycerol. Sterile Filtered clear solution.
Concentration	1mg/ml (varies by lot)
Sequence	MGSSHHH HHHSSGLVPR GSHMSD KGKLSLQDVA ELIRARACQR VVVMVGAGIS TPSGIPDFRS PGSGLYSNLQ QYDLPYPEAI FELPFFHNP KPFFTLAKEL YPGNYKPNVT HYFLRLLHDK GLLRLRYTQN IDGLERVSGI PASKLVEAHG TFASATCTVC QRPFPGEDIR ADVMADRVPR CPVCTGVVKP DIVFFGEPLP QRFLHVVDV PMADLLILG TSLEVEPFAS LTEAVRSSVP RLLINRDLVG PLAWHPRSVD VAQLGDVVHG VESLVELLGW TEEMRDLVQR ETGKLDGPDK
Sequence Length	257
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for SIRT3 recombinant protein	Description: 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. 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 processes, 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.
Product Categories/Family for SIRT3 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Sirtuin

NCBI AND UNIPROT INFORMATION

NCBI GI #	63054862
NCBI GeneID	23410
NCBI Accession #	NP_001017524.1

NCBI GenBank Nucleotide #	NM_001017524.2
UniProt Accession #	Q9NTG7 ; Q9Y6E8 ; B7Z5U6
Molecular Weight	28,567 Da
NCBI Official Full Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial isoform b
NCBI Official Synonym Full Names	sirtuin 3
NCBI Official Symbol	SIRT3
NCBI Official Synonym Symbols	SIR2L3
NCBI Protein Information	NAD-dependent protein deacetylase sirtuin-3, mitochondrial; NAD-dependent deacetylase sirtuin-3, mitochondrial; SIR2-like protein 3; mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase; regulatory protein SIR2 homolog 3; silent mating type information regulation 2, S.cerevisiae, homolog 3; sir2-like 3; sirtuin type 3
UniProt Protein Name	NAD-dependent protein deacetylase sirtuin-3, mitochondrial
UniProt Gene Name	SIRT3
UniProt Synonym Gene Names	SIR2L3; hSIRT3
UniProt Entry Name	SIR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sirt3-recombinant-protein-e-coli/38879>