

## Product datasheet for **AR09588PU-N**

### SIRT3 (118-399, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SIRT3 (118-399, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MSDKGKLSLQ</u> DVAELIRARA CQRVVMVGA GISTPSGIPD FRSPGSGLYS NLQQYDLPYP EAIFELPFFF HNPKEPFTLA KELYPGNYKP NVTHYFLRLL HDKGLLLRLY TQNIDGLERV SGIPASKLVE AHGTFASATC TVCQRPFPGE DIRADVMADR VPRCPVCTGV VKPDIVFFGE PLPQRFLLVH VDFPMADLLL ILGTSLEVEP FASLTEAVRS SVPRLLINRD LVGPLAWHPR SRDVAQLGDV VHGVESLVEL LGWTEEMRDL VQRETGKLDG PDK
Tag:	His-tag
Predicted MW:	33.5 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SIRT3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001017524</u>
Locus ID:	23410
UniProt ID:	<u>Q9NTG7</u>
Cytogenetics:	11p15.5
Synonyms:	SIR2L3



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**Summary:**

SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**