

## Product datasheet for **AR51254PU-N**

### SIRT5 (34-310, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SIRT5 (34-310, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSARPSSSM ADFRKFFAKA KHIVIISGAG VSAESGVPTF RGAGGYWRKW QAQDLATPLA FAHNPSRVWE FYHYRREVMG SKEPNAGHRA IAECETRLGK QGRRVWITQ NIDELHRKAG TKNLLEIHGS LFKTRCTSCG VVAENYKSPI CPALSGKGAP EPGTQDASIP VEKLPRCEEA GCGLLRPHV VWFGENLDPA ILEEVDRELA HCDLCLVVG TSSVYPAAMF APQVAARGVP VAEFNTETTP ATNRFRHFHQ GPCGTTLPEA LACHENETVS
Tag:	His-tag
Predicted MW:	32.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SIRT5 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001180196</a>
Locus ID:	23408
UniProt ID:	<a href="#">Q9NXA8</a>
Cytogenetics:	6p23
Synonyms:	SIR2L5



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**Summary:**

This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class III of the sirtuin family. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2010]

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**