

Product datasheet for AR51445PU-S

SIRT1 (254-495, His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	SIRT1 (254-495, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMKK IIVLTGAGVS VSCGIPDFRS RDGIYARLAV DFPDLPDPQA MFDIEYFRKD PRPFFKFAKE IYPGQFQPSL CHKFIALSDK EGKLLRNYTQ NIDTLEQVAG IQRIIQCHGS FATASCLICK YKVDCEAVRG DIFNQVVPRC PRCPADEPLA IMKPEIVFFG ENLPEQFHRA MKYDKDEVDL LIVIGSSLKV RPVALIPSSI PHEVPQILIN REPLPHLHFD VELLGDCDVI INELCHRLGG
Tag:	His-tag
Predicted MW:	31.6 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 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SIRT1 protein, fused to His-tag at N-terminus, was expressed in E.coli .
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:	<u>NP 001135970</u>
Locus ID:	23411
UniProt ID:	<u>Q96EB6, E9PC49, A8K128</u>
Cytogenetics:	10q21.3
Synonyms:	SIR2; SIR2alpha; SIR2L1



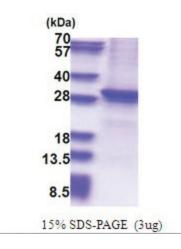
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SIRT1 (254-495, His-tag) Human Protein – AR51445PU-S

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 I of the sirtuin family. Alternative splicing results in multiple
transcript variants. [provided by RefSeq, Dec 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:



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