

Product datasheet for AR50118PU-N

SUMO1 (1-101, His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	SUMO1 (1-101, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFKVKM TTHLKKLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEEDVIEV YQEQTGGHST VLEHHHHHH
Tag:	His-tag
Predicted MW:	12.6 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, 1 mM DTT, 0.15M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SUMO1 protein, fused to His-tag at C-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:	<u>NP 001005781</u>
Locus ID:	7341
UniProt ID:	<u>P63165, A0A024R3Z2</u>
Cytogenetics:	2q33.1
Synonyms:	DAP1; GMP1; OFC10; PIC1; SENP2; SMT3; SMT3C; SMT3H3; UBL1



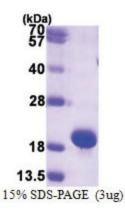
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SUMO1 (1-101, His-tag) Human Protein – AR50118PU-N

Summary:This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier)
protein family. It functions in a manner similar to ubiquitin in that it is bound to target
proteins as part of a post-translational modification system. However, unlike ubiquitin which
targets proteins for degradation, this protein is involved in a variety of cellular processes,
such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not
active until the last four amino acids of the carboxy-terminus have been cleaved off. Several
pseudogenes have been reported for this gene. Alternate transcriptional splice variants
encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]

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

Product images:



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