

## Datasheet for ABIN935029 **SUMO1 Protein (AA 1-97)**



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### 1 Image

#### Overview

Quantity:	100 µg
Target:	SUMO1
Protein Characteristics:	AA 1-97
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence:	MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFVKVM TTHLKKLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEEDVIEV YQEQTGG
Characteristics:	Purified recombinant Human SUMO1 protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure
Endotoxin Level:	< 1.0 EU per µg of protein (determined by LAL method)

#### Target Details

Target:	SUMO1
Alternative Name:	SUMO1 ( <a href="#">SUMO1 Products</a> )
Background:	SUMO-1, also known as small ubiquitin-related modifier 1, is a member of the SUMO protein

## Target Details

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family and functions in a manner similar to ubiquitin. However, unlike ubiquitin which targets proteins for degradation, SUMO-1 protein participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. Recombinant human SUMO1 protein was expressed in E. coli and purified by using conventional chromatography.

Alternative Names: GMP1 protein, SMT3 homolog 3 protein, UBL 1 protein, SENP2 protein, GMP 1 protein, Sentrin 1 protein, UBL1 protein, Ubiquitin like protein SMT3C protein, PIC1 protein, PIC 1 protein, Ubiquitin like protein UBL1., SMT3 protein, SMT3 suppressor of mif two 3 homolog 1 isoform a protein, SMT3H3 protein, Sentrin protein, SMT3 suppressor of mif two 3 homolog 1 protein, Small ubiquitin related modifier 1 protein, SMT3C protein, DAP-1 protein, Ubiquitin Like 1 protein, SMT3 suppressor of mif two 3 homolog 1 isoform a GAP modifying protein 1 protein, OFC10 protein, Sumo1 protein, Ubiquitin homology domain protein PIC1 protein

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Molecular Weight: 11.1 kDa (97 AA)

Pathways: [M Phase](#), [Positive Regulation of Endopeptidase Activity](#), [Protein targeting to Nucleus](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

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Application Notes: SUMO protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

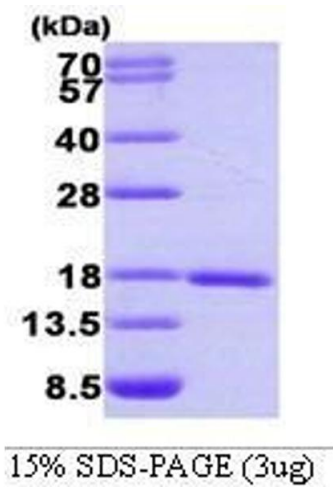
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 10 % glycerol.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



**SDS-PAGE**

**Image 1.** Figure annotation denotes ug of protein loaded and % gel used.