

## Product datasheet for **AR09173PU-N**

### SUMO1 (1-97) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SUMO1 (1-97) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFVKVM TTHLKCLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEEDVIEV YQEQTGG
Predicted MW:	11.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified peptide Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method )
Preparation:	Liquid purified peptide
Protein Description:	Recombinant human SUMO1 protein was expressed in E.coli and purified by using conventional chromatography.
Note:	(Real molecular weight on SDS-PAGE will be shift up).
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:	<a href="#">NP_001005781</a>
Locus ID:	7341
UniProt ID:	<a href="#">P63165</a> , <a href="#">A0A024R3Z2</a>
Cytogenetics:	2q33.1
Synonyms:	DAP1; GMP1; OFC10; PIC1; SENP2; SMT3; SMT3C; SMT3H3; UBL1



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**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:**