

AR50118PU-N

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

Alternate names:

GAP-modifying protein 1, GMP1, SMT3 homolog 3, SMT3C, SMT3H3, Sentrin, Small ubiquitin-related modifier 1, UBL1, Ubiquitin-homology domain protein PIC1, Ubiquitin-like protein SMT3C, Ubiquitin-like protein UBL1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford)

Background:

SUMO1, also known as small ubiquitin-related modifier 1, is a member of the SUMO protein family and functions in a manner similar to ubiquitin. However, unlike ubiquitin which targets proteins for degradation, SUMO1 protein participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability.

Uniprot ID:

[P63165](#)

NCBI:

[NP_003343](#)

GeneID:

[7341](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl

Description:

Recombinant human SUMO1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFVKVM TTHLKKLKES YCQRQGVPMN
SLRFLFEGQR IADNHTPKEL GMEEDVIEV YQEQTGGHST VLEHHHHHH

Molecular weight: 12.6 kDa (109aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

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.

Shelf life: one year from despatch.

General Readings:

Evdokimov E., et al. (2008) J Cell Sci. 121:4106-13. Hecker CM., et al. (2006) J Biol Chem. 281(23):16117-27.

Pictures:

