

Recombinant human SUMO1 protein

Catalog Number: ATGP0301

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-97aa

UniProt No.

P63165

NCBI Accession No.

NP_003343

Alternative Names

SMT3 suppressor of mif two 3 homolog 1 isoform a, SMT3 suppressor of mif two 3 homolog 1 isoform a, DAP-1, GMP1, OFC10, PIC1, SENP2, SMT3, SMT3C, SMT3H3, uBL1, SMT3 suppressor of mif two 3 homolog 1 isoform a GAP modifying protein 1, GMP 1, PIC 1, Sentrin, Sentrin 1, Small ubiquitin related modifier 1, SMT3 homolog 3, uBL 1, SMT3 suppressor of mif two 3 homolog 1, Sumo1, ubiquitin homology domain protein PIC1, ubiquitin Like 1, ubiquitin like protein SMT3C, ubiquitin like protein uBL1.

PRODUCT SPECIFICATION

Molecular Weight

11.1 kDa (97aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Recombinant human SUMO1 protein

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Description

SUMO-1, 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, 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.

Amino acid Sequence

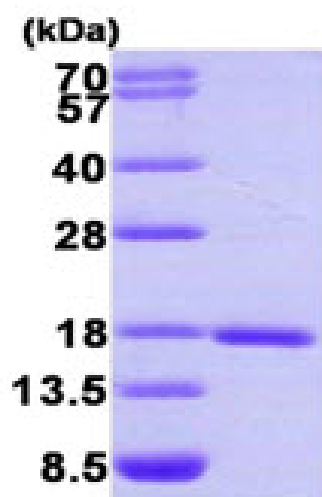
MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFVKVM TTHLKKLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL
GMEEEDVIEV YQEQTGG

General References

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

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 μ g)