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

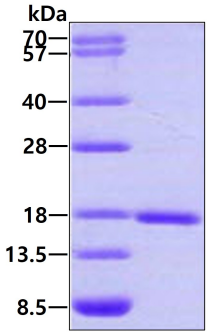
MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFKVKM TTHLKKLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEEDVIEV YQEQTGG

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



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