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# 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**



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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**

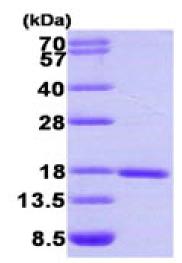
MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFKVKM TTHLKKLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEEDVIEV YQEQTGG

#### **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**





15% SDS-PAGE (3ug)

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

