

Product information



SUMO-1, 1-97 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0301

Full name: SMT3 suppressor of mif two 3 homolog 1 isoform a

NCBI Accession No.: NP_003343

Synonyms: DAP-1, GMP1, OFC10, PIC1, SENP2, SMT3, SMT3C, SMT3H3, UBL1

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.

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

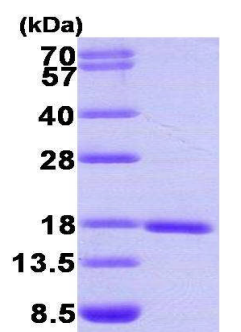
Molecular Weight: 11.1 kDa (97aa)

(Real molecular weight on SDS-PAGE will be shift up)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MSDQEAKPST EDLGDKKEGE YIKLKVIGQD SSEIHFVKVM TTHLKKLKES YCQRQGVPMN SLRFLFEGQR IADNHTPKEL GMEEDVIEV
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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Avoid repeated freezing and thawing cycles.

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