

**SUMO-1, 1-97 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP04095**

3th Edition

**Synonyms:**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

**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), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)

**Sequences:**

MSDQEAKPSTEDLGDKKEGEYIKLVIGQDSSEIHFKVKMTTHLKKLKESYCQRQGVPMNSLRFLFEGQRIADNHT  
PKELGMEEEDVIEVYQEQTGG

**Purity:**> 95% by HPLC

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

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

**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. Avoid repeated freezing and thawing cycles.