

SUMO1, 1-101 aa, Human, His tag E.coli

Cat.NO.: TP04098

3th Edition

Synonyms:small ubiquitin-related modifier 1, DAP-1, GMP1, OFC10, PIC1, SENP2, SMT3,SMT3C, SMT3H3, SUMO-1, UBL1

Description:SUMO1, 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, SUMO1 protein participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. Recombinant human SUMO1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl

Molecular Weight:12.6 kDa (109aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MSDQEAKPSTEDLGDKKEGEYIKLKVIGQDSSEIHFKVKMTTHLKKLKESYCRQGVPMNLSRFLFEGQRIADNHT
PKELGMEEEDVIEVYQEQTGGHSTVLEHHHHHH

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford)

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.