

SUMO-3, 1-92aa, Human, His tag, E.coli

Cat.NO.: TP04097

3th Edition

Synonyms:Small ubiquitin-related modifier 3, SMT3A, SMT3H1, SUMO-3, sumo3, sumo 3

Description:SUMO3, also known as small ubiquitin-related modifier 3, is a member of the SUMO protein family and functions in a manner similar to ubiquitin. However, unlike ubiquitin which targets proteins for degradation, SUMO3 protein participates in a number of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It regulates amyloid beta generation and may be critical in the onset or progression of Alzheimer's disease. Recombinant human SUMO3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:0.1M NaClLiquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

Molecular Weight:12.6 kDa (112aa) confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMSEEKPKKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSM
RQIRFRFDGQPINETDTPAQLEMEDEDTIDVFQQQTGG

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by BCA 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.