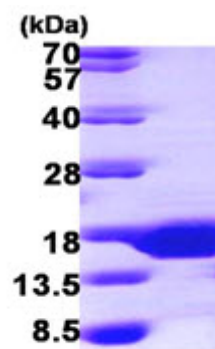


AR09688PU-L

Human SUMO3 / SMT3A (1-92, His-tag) - Purified

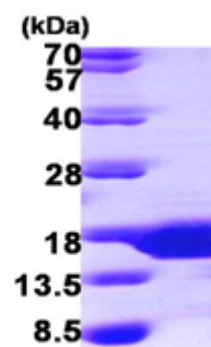
Alternate names:	SMT3 homolog 1, SMT3H1, SUMO-3, Small ubiquitin-related modifier 3, Ubiquitin-like protein SMT3A
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	SUMO3, also known as small ubiquitin-related modifier 3, is a member of the SUMO protein family and functions 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.
Uniprot ID:	P55854
NCBI:	NP_008867
GeneID:	6612
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant human SUMO3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MSEEKPKEGV KTENDHINLK VAGQDGSVVQ FKIKRHTPLS KLMKAYCERQ GLSMRQIRFR FDGQPINETD TPAQLEMEDE DTIDVFQQQT GG Molecular weight: 12.6 kDa (112aa) confirmed by MALDI-TOF (molecular size on SDS-PAGE will appear higher).
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Evdokimov E., et al. (2008), J Cell Sci, 121:4106-13. Tatham MH., et al. (2001). J Biol Chem. 276:35368-74.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human SUMO3, 1-92aa, His-tagged



15% SDS-PAGE (3ug)