Recombinant Full Length Human SUMO3 Protein, His-tagged

Cat. No. SUMO3-2743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMO3 Protein (Met1-Phe103) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-103 aa
Description	This gene encodes a member of the small ubiquitin-related modifier (SUMO) family of eukaryotic proteins. The encoded protein is covalently conjugated to other proteins via a post-translation modification known as sumoylation. Sumoylation may play a role in a wide variety of cellular processes, including nuclear transport, DNA replication and repair, mitosis, transcriptional regulation, and signal transduction. Alternatively spliced transcript variants encoding distinct proteins have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.3 kDa Accurate Molecular Mass: 20 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SUMO3 SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae) [Homo sapiens (human)]
Official Symbol	SUMO3
Synonyms	SUMO3; SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae); SMT3 (suppressor of mif two 3, yeast) homolog 1, SMT3 suppressor of mif two 3 homolog 3 (yeast), SMT3H1; small ubiquitin-related modifier 3; SMT3A; SUMO-2; SMT3 homolog 1; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; SMT3 suppressor of mif two 3 homolog 1; Smt3B; SMT3H1; SUMO-3;
Gene ID	6612
mRNA Refseq	NM_006936

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Protein Refseq	NP_008867
MIM	602231
UniProt ID	P55854

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