
Product Data Sheet

Product Name: SUMO3 Human
 Cat. No.: GP24753
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SUMO-3; SMT3A; SMT3H1; SMT3 homolog 1; Small Ubiquitin-related modifier 3; Ubiquitin-like protein SMT3A.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSEEKPKEGV KTENDHINLK VAGQDGSVVQ FKIKRHTPLS KLMKAYCERQ GLSMRQIRFR FDGQPINETD TPAQLEMEDE DTIDVFQQQT GG		
Formulation	The SUMO3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 20% glycerol.		

Introduction

SUMO3 belongs to the SUMO protein family and operates like ubiquitin. Nevertheless, unlike ubiquitin that targets proteins for degradation, SUMO3 protein takes part in several cellular processes, like nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO3 regulates amyloid beta generation and is crucial in the onset or progression of Alzheimer's disease.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SUMO3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 112 amino acids (1-92 a.a.) and having a molecular mass of 12.6kDa (molecular weight on SDS-PAGE will appear higher). SUMO3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA