

SUMO3 Human

Description: SUMO3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 112 amino acids (1-92a.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.

Catalog #: PRPS-274

For research use only.

Synonyms: SUMO-3, SMT3A, SMT3H1, SMT3 homolog 1, Small Ubiquitin-related modifier 3, Ubiquitin-like protein SMT3A.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSEEKPEGV KTENDHINLK
VAGQDGSVVQ FKIKRHTPLS KLMKAYCERQ GLSMRQIRFR FDGQPINETD TPAQLEMEDE
DTIDVFQQQT GG

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The SUMO3 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.1M NaCl, 1mM DTT and 20% glycerol.

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.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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 Alzheimers disease.

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