

Recombinant Human SUMO2 Protein (M1-Y95), Tag Free

Cat. No. SUMO2-1336S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-SUMO2(M1-Y95 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-Y95
Description	Ubiquitin-like protein that can be covalently attached to proteins as a monomer or as a lysine-linked polymer. Covalent attachment via an isopeptide bond to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2, CBX4 or ZNF451. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Polymeric SUMO2 chains are also susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins. Plays a role in the regulation of sumoylation status of SETX.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SUMO2 SMT3 suppressor of mif two 3 homolog 2 (<i>S. cerevisiae</i>) [<i>Homo sapiens</i> (human)]
Official Symbol	SUMO2
Synonyms	SUMO2; SMT3 suppressor of mif two 3 homolog 2 (<i>S. cerevisiae</i>); SMT3 (suppressor of mif two 3, yeast) homolog 2, SMT3 suppressor of mif two 3 homolog 2 (yeast), SMT3H2; small ubiquitin-related modifier 2; SMT3B; sentrin 2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; small ubiquitin-like modifier 2; HSMT3; SUMO3; Smt3A; SMT3H2; MGC117191;
Gene ID	6613
mRNA Refseq	NM_001005849
Protein Refseq	NP_001005849
MIM	603042

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UniProt ID

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