

Active Recombinant Human SUMO1, His-tagged

Cat. No. SUMO1-561H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human SUMO1 (Accession # NM_003352) , fused with an N-terminal 6-His tag, was produced in E. coli-derived.

Species Human

Source E.coli

Form Supplied as a solution in HEPES, NaCl and DTT.

Bio-activity Recombinant Human His6-Pro-SUMO1 can be conjugated to substrate proteins via the subsequent actions of an SUMO-activating (E1) enzyme, an SUMO-conjugating (E2) enzyme, and an SUMO ligase (E3). Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human His6-Pro-SUMO1 concentration of 10-50 μ M.

Purity >95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Storage Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name SUMO1 SMT3 suppressor of mif two 3 homolog 1 (*S. cerevisiae*) [*Homo sapiens*]

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Official Symbol	SUMO1
Synonyms	SUMO1; SMT3 suppressor of mif two 3 homolog 1 (<i>S. cerevisiae</i>); SMT3 suppressor of mif two 3 homolog 1 (yeast) , ubiquitin like 1 (sentrin) , UBL1; small ubiquitin-related modifier 1; GMP1; OFC10; PIC1; SMT3C; SMT3H3; SUMO 1; sentrin; SMT3 homolog 3; GAP modifying protein 1; ubiquitin-like protein UBL1; ubiquitin-like protein SMT3C; ubiquitin-homology domain protein PIC1; DAP1; SMT3; UBL1; SENP2;
Gene ID	7341
mRNA Refseq	NM_001005781
Protein Refseq	NP_001005781
MIM	601912
UniProt ID	P63165
Chromosome Location	2q33

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