Active Recombinant Human SUMO1

Cat. No. SUMO1-566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMO1 (Accession # NM_003352) was produced in E. coli-derived.
Species	Human
Source	E.coli
Form	Supplied as a solution in HEPES, NaCl and DTT
Bio-activity	SUMO1 chains do not readily form in vitro . However, the role of SUMO1 in poly-SUMO chain formation is an area of intense research. Utilizing Recombinant Human SUMO1 Mutant K7R/K16R will ensure that K7 and K16-linked chains will not be formed. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human SUMO1 Mutant K7R/K16R concentration of 10-50 μM.
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 (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

GENE INFORMATION

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