

## Active Recombinant Human SUMO1

Cat. No. SUMO1-560H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SUMO1 (Accession # NM_003352) , fused with a C-terminal Aminoluciferin (AML), was produced in E. coli-derived.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	X mg/ml (X $\mu$ M) in 50 mM HEPES pH 7.5, 100 mM NaCl
<b>Bio-activity</b>	Recombinant Human SUMO1-Aminoluciferin (AML) is ideal for use as a SUMO-specific isopeptidase enzyme substrate. Isopeptidase activity liberates luciferin from Recombinant Human SUMO1-Aminoluciferin (AML). ATP and luciferase are then added to produce a luminescent signal proportional to SUMO-specific isopeptidase activity. Optimal luminescence at pH 7.5 can be monitored using all wavelengths with a 500 ms integration time. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human SUMO1-Aminoluciferin (AML) concentration of 0.1-1 $\mu$ M.
<b>Molecular Mass</b>	Recombinant Human SUMO1 has a calculated MW of 11 kDa.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
<b>Storage</b>	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months (-70°C).

## GENE INFORMATION

<b>Gene Name</b>	SUMO1 SMT3 suppressor of mif two 3 homolog 1 ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	SUMO1
<b>Synonyms</b>	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;
<b>Gene ID</b>	7341
<b>mRNA Refseq</b>	NM_001005781
<b>Protein Refseq</b>	NP_001005781
<b>MIM</b>	601912
<b>UniProt ID</b>	P63165
<b>Chromosome Location</b>	2q33

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