

SUMO1

Recombinant Human SUMO1 aa 1-97

Catalog No.	CRS138A CRS138B CRS138C	Quantity:	10 µg 50 µg 1.0 mg
Alternate Names:	Small ubiquitin-related modifier 1, SUMO-1, Sentrin, Ubiquitin-like protein SMT3C, SMT3 homolog 3, Ubiquitin-homology domain protein PIC1, Ubiquitin-like protein UBL1, GAP-modifying protein 1, GMP1, SUMO1, SMT3C, SMT3H3, UBL1, PIC1, SMT3, DAP-1, OFC10, SENP2.		
Description:	<p>SUMO1 is a protein that belongs to the SUMO (small ubiquitin-like modifier) protein family. SUMO1 functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. Still, unlike ubiquitin which targets proteins for degradation, SUMO1 is involved in a variety of cellular processes, for example nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO1 is not active until the last four amino acids of the carboxy-terminus are cleaved off.</p> <p>The active human SUMO-I (the 1-97 amino acid region of the Ubiquitin-like protein SMT3C precursor). The enzyme contains a single polypeptide band of 11 kDa. The predicted molecular weight of hSUMO I is 11 kDa.</p>		
Gene ID:	7341		
Source:	<i>E. coli</i>		
Molecular Weight:	11 kDa		
Formulation:	Liquid in 10 mM sodium chloride + 100 mM imidazole + 0.5 mM PMSF + 1 mM DTT + 10% glycerol.		
Purity:	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE		
Endotoxin Level:	Less than 0.1 ng/µg (1 EU/µg) of SUMO-1.		
Storage & Stability:	Recombinant Human SUMO-I should be stored desiccated below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.		

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