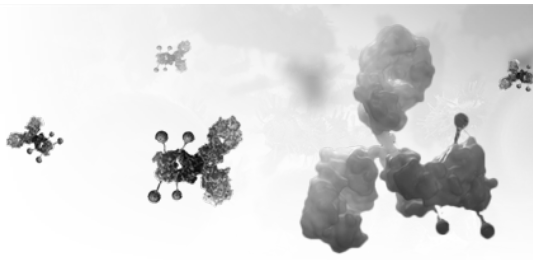

Human SUMO1 peptide (DAG-P2004)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the ubiquitin family. SUMO subfamily.Contains 1 ubiquitin-like domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SUMO1 small ubiquitin-like modifier 1 [Homo sapiens (human)]
Official Symbol	SUMO1
Synonyms	SUMO1; small ubiquitin-like modifier 1; DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3; small ubiquitin-related modifier 1; sentrin; SMT3 homolog 3; GAP modifying protein 1; ubiquitin-like protein UBL1; ubiquitin-like protein SMT3C; SMT3 suppressor of mif two 3 homolog 1; ubiquitin-homology domain protein PIC1;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

Entrez Gene ID	7341
mRNA Refseq	NM_001005781.1
Protein Refseq	NP_001005781.1
UniProt ID	P63165
Chromosome Location	2q33
Pathway	Androgen receptor signaling pathway, organism-specific biosystem; Conjugation of SUMO to E1 (UBA2:SAE1), organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; Interferon gamma signaling, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Nuclear pore c
Function	SUMO ligase activity; poly(A) RNA binding; protein binding; transcription factor binding; ubiquitin protein ligase binding;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved