Recombinant Human SUMO2

Cat. No. SUMO2-28787TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Sumo 2 ; 95 amino acids, 11 kDa.
Species	Human
Source	E.coli
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 two amino acids of the carboxy-terminus have been cleaved off. Numerous pseudogenes have been reported for this gene. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Tissue specificity	Broadly expressed.
Form	Lyophilised
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 1X PBS, pH 7.4
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	MADEKPKEGVKTENNDHINLKVAGQDGSVVQFKIKRHTPL SKLMKAYC ERQGLSM RQIRFRFDGQPINETDTPAQLEMEDEDTIDVFQ QQTGGVY.
Sequence Similarities	Belongs to the ubiquitin family. SUMO subfamily.Contains 1 ubiquitin-like domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	SUMO2 SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae) [Homo sapiens]
Official Symbol	SUMO2
Synonyms	SUMO2; SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae); SMT3 (suppressor of mif two 3, yeast) homolog 2 , SMT3 suppressor of mif two 3 homolog 2 (yeast) , SMT3H2; small ubiquitin-related modifier 2; SMT3B;
Gene ID	6613
mRNA Refseq	NM_001005849
Protein Refseq	NP_001005849
MIM	603042
Uniprot ID	P61956
Chromosome Location	17q25
Pathway	Glucocorticoid receptor regulatory network, organism-specific biosystem; Nuclear

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	pore complex, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem;
Function	protein binding; ubiquitin protein ligase binding;

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