

Recombinant Human SUMO2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SUMO2-2921H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SUMO2 MS Standard C13 and N15-labeled recombinant protein (NP_001005849) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	7.9 kDa
AA Sequence	MADEKPKEGVKTENNDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQLEMED EDTIDVFQQQTGGVYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

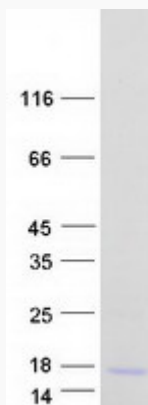
GENE INFORMATION

Gene Name	SUMO2 small ubiquitin like modifier 2 [Homo sapiens (human)]
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; sentrin 2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; small ubiquitin-like modifier 2; HSMT3; SUMO3; Smt3A; SMT3H2; MGC117191;
Gene ID	6613
mRNA Refseq	NM_001005849
Protein Refseq	NP_001005849
MIM	603042
UniProt ID	P61956

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SDS-PAGE

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