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Product datasheet for PH322664

Sumo 2 (SUMO2) (NM_001005849) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SUMO2 MS Standard C13 and N15-labeled recombinant protein (NP_001005849)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222664
Predicted MW:	7.9 kDa
Protein Sequence:	>RC222664 representing NM_001005849 Red=Cloning site Green=Tags(s) MADEKPKEGVKTENNDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQLEMEDEDTIDVFQQQTGGV Y TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001005849
RefSeq Size:	994
RefSeq ORF:	213
Synonyms:	HSMT3; Smt3A; SMT3B; SMT3H2; SUMO3
Locus ID:	6613
UniProt ID:	P61956
Cytogenetics:	17q25.1

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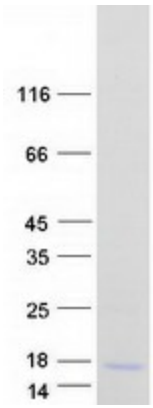
Summary: This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified SUMO2 protein (Cat# [TP322664]). The protein was produced from HEK293T cells transfected with SUMO2 cDNA clone (Cat# [RC222664]) using MegaTran 2.0 (Cat# [TT210002]).