

OriGene Technologies, Inc.

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Product datasheet for TP720154

Sumo 2 (SUMO2) (NM_001005849) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae) (SUMO2), transcript variant 2
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Gly93
Tag:	N-His
Predicted MW:	13 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Endotoxin:	< 0.1 EU per μ g protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP 001005849</u>
Locus ID:	6613
UniProt ID:	<u>P61956</u>
Cytogenetics:	17q25.1
Synonyms:	HSMT3; Smt3A; SMT3B; SMT3H2; SUMO3



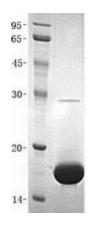
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Summary:This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier)
protein family. It functions in a manner similar to ubiquitin in that it is bound to target
proteins as part of a post-translational modification system. 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:



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