Recombinant Human SUMO-1 Protein

RPCB1400

Product Information

Product SKU:	RPCB1400	**Gene ID**:	7341	**Size**:	10µg
Tag:	N-His	**Reactivity**:	Human		

Additional Information

Expression Host:	E. coli	**Swissprot:**	P63165
Purity:	> 95% by SDS-PAGE.		

Protein Information

Background: Small Ubiquitin-Related Modifier 1 (SUMO1) is an Ubiquitin-like protein that belongs to the ubiquitin family with SUMO subfamily. It is a family of small, related proteins that can be enzymatically attached to a target protein by a post-translational modification process termed sumoylation. SUMO1 functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. SUMO1 is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO1 is not active until the last four amino acids of the carboxy-terminus are cleaved off. Polymeric SUMO1 chains are also susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins and may also regulate a network of genes involved in palate development.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human SUMO-1 Protein , tested reactivity inE. coliand has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: < 1 EU/µg of the protein by LAL method.

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

Formulation: Lyophilized from a 0.2 μm filtered solution of 50mM Tris-HCl, 100mM NaCl, 1mM DTT, pH 8.5 .Contact us for customized product form or formulation.

Storage: Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

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