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Product datasheet for TP525911

Sumo3 (NM_019929) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse small ubiquitin-like modifier 3 (Sumo3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225911 protein sequence Red=Cloning site Green=Tags(s) MSEEKPKEGVKTENDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSMRQIRFRFDGQPINETD TPAQLEMEDEDTIDVFQQQTGGSASRGSVPTPNRCPDLCY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	12.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_064313
Locus ID:	20610
UniProt ID:	Q9Z172
RefSeq Size:	2630
Cytogenetics:	10 39.72 cM
RefSeq ORF:	333

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Synonyms: 2810014B19Rik; D10Ertd345; D10Ertd345e; SMT; SMT3A; Smt3h; Smt3h1; SUMO-3

Summary: This gene encodes a member of the small ubiquitin-like modifier family. The encoded protein may regulate a variety of proteins in many pathways via a post-translational modification, known as SUMOylation. This activity may play a role in a wide variety of cellular processes, including nuclear transport, DNA replication and repair, mitosis, transcriptional regulation, and signal transduction. Disruption of some of these processes has been associated with cerebral ischemia, neural dysfunction, and heart disease. A pseudogene of this gene has been defined on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]