Recombinant Mouse Sumo3 Protein, Myc/DDK-tagged

Cat. No. Sumo3-6224M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length small ubiquitin-like modifier 3 (Sumo3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	12.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Sumo3 small ubiquitin-like modifier 3 [Mus musculus (house mouse)]
Official Symbol	Sumo3
Synonyms	SUMO3; SMT3 suppressor of mif two 3 homolog 3 (yeast); small ubiquitin-related modifier 3; SMT3 homolog 1; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; SMT3 (supressor of mif two, 3) homolog 1; SMT3A; Smt3B; SUMO-3; Smt3h1; AA409334; AW121497; AW536077; D10Ertd345e; 2810014B19Rik
Gene ID	20610
mRNA Refseq	NM_019929
Protein Refseq	NP_064313
UniProt ID	Q9Z172

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