

Recombinant Mouse Supv3l1 Protein, Myc/DDK-tagged

Cat. No. Supv3l1-6229M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length suppressor of var1, 3-like 1 (<i>S. cerevisiae</i>) (Supv3l1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Major helicase player in mitochondrial RNA metabolism. Component of the mitochondrial degradosome (mtEXO) complex, that degrades 3' overhang double-stranded RNA with a 3'-to-5' directionality in an ATP-dependent manner. Involved in the degradation of non-coding mitochondrial transcripts (MT-ncRNA) and tRNA-like molecules. ATPase and ATP-dependent multisubstrate helicase, able to unwind double-stranded (ds) DNA and RNA, and RNA/DNA heteroduplexes in the 5'-to-3' direction. Plays a role in the RNA surveillance system in mitochondria; regulates the stability of mature mRNAs, the removal of aberrantly formed mRNAs and the rapid degradation of non coding processing intermediates. Also implicated in recombination and chromatin maintenance pathways. May protect cells from apoptosis. Associates with mitochondrial DNA.
Molecular Mass	87.5 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.

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Storage	Store at -80 centigrade after receiving vials.
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	Supv3l1 suppressor of var1, 3-like 1 (S. cerevisiae) [Mus musculus (house mouse)]
Official Symbol	Supv3l1
Synonyms	SUPV3L1; suppressor of var1, 3-like 1 (S. cerevisiae); ATP-dependent RNA helicase SUPV3L1, mitochondrial; SUV3-like protein 1; suppressor of var1 3-like protein 1; 6330443E10Rik
Gene ID	338359
mRNA Refseq	NM_181423
Protein Refseq	NP_852088
UniProt ID	Q80YD1

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