

Product datasheet for **TP510604**

Supv311 (NM_181423) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse suppressor of var1, 3-like 1 (<i>S. cerevisiae</i>) (Supv311), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR210604 representing NM_181423 Red =Cloning site Green =Tags(s) |

MSLPRCTLLWARLPAGRGAGPRAAPCSALRALVGSFPGASGRVPCLAASSASGGSKAPNTSLFVPLTVK
PQGPSADGDVGAELTRPLDKNEVKKILDKFYKRQEIQKLSADYGLDARLFHQAFISFRNYIMQSHSLDVD
IHIVLNDICFSAAHVDDLFPFFLRHAKQIFPVLECKDDLKISDLRIPPWYPEARARQRKIIFHSGPTN
SGKTYHAIQRYLSATSGVYCGPLKLLAHEIFEKSNAAGVPCDLVTGEERLTVPEGKQATHVSCTVEMCN
VATPYEVAVIDEIQMIRDPARGWAWTRALLGLCAEEVHLCGESAAINLVSELYTTGEEVEVQKYERLTP
ISVLDHABLESLDNLQPGDCIVCFKNDIYSVSRQIEIRGLESAVIYGSLPPGTKLAQARKFNDPNDPCKI
LVATDAIGMGLNLSIRRIIFYSLIKPSINEKGEKELEPITTSQALQIAGRAGRFSHFKEGQVTTMHRDD
LALLKDILNRPVDPIQAAGLHPTAEQIEMFAYHLPETTLNLIIDIFVDFFAQVDGQYFVCNMDDFKFSAEL
IQHIPLSLRVRYVFCTAPINKKQPFVCSLLQFARQYSRNEPLTFAWLRRYIKWPLLPPKNIKDLMDLEA
VHDVFDLYLWLSYRFIDMFPDSSLVRSQKELDAIQEGVHNITKLIKISERKLLNLESLSGDSRSL
GASKSPARRTRGTSAGNKATEPLSPDKELPLASRLVQQGLLTADMLRQLQKEWLTQQPEHSREKVGTR
RKKKDPDSD

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| Tag: | C-MYC/DDK |
| Predicted MW: | 87.5 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. |



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| 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_852088 |
| Locus ID: | 338359 |
| UniProt ID: | Q80YD1 |
| RefSeq Size: | 2436 |
| Cytogenetics: | 10 B4 |
| RefSeq ORF: | 2337 |
| Synonyms: | 6330443E10Rik |
| Summary: | 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. 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.[UniProtKB/Swiss-Prot Function] |