ATP-Dependent RNA Helicase SUPV3L1, Mitochondrial (SUPV3L1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent RNA helicase SUPV3L1, mitochondrial (SUPV3L1), Recombinant Protein
Full Product Name	Recombinant Human ATP-dependent RNA helicase SUPV3L1, mitochondrial (SUPV3L1)
Product Gene Name	SUPV3L1 recombinant protein
Product Synonym Gene Name	SUPV3L1
Sequence	AICSALRPHF GPFPGVLGQV SVLATASSSA SGGSKIPNTS LFVPLTVKPQ GPSADGDVGA ELTRPLDKNE VKKVLDKFYK RKEIQKLGAD YGLDARLFHQ AFISFRNYIM QSHSLDVDIH IVLNDICFGA AHADDLFPFF LRHAKQIFPV LDCKDDLRKI SDLRIPPNWY PDARAMQRKI IFHSGPTNSG KTYHAIQKYF SAKSGVYCGP LKLLAHEIFE KSNAAGVPCD LVTGEERVTV QPNGKQASHV SCTVEMCSVT TPYEVAVIDE IQMIRDPARG WAWTRALLGL CAEEVHLCGE PAAIDLVMEL MYTTGEEVEV RDYKRLTPIS VLDHALESLD NLRPGDCIVC FSKNDIYSVS RQIEIRGLES AVIYGSLPPG TKLAQAKKFN DPNDPCKILV ATDAIGMGLN LSIRRIIFYS LIKPSINEKG ERELEPITTS QALQIAGRAG RFSSRFKEGE VTTMNHEDLS LLKEILKRPV DPIRAAGLHP TAEQIEMFAY HLPDATLSNL IDIFVDFSQV DGQYFVCNMD DFKFSAELIQ HIPLSLRVRY VFCTAPINKK QPFVCSSLLQ FARQYSRNEP LTFAWLRRYI KWPLLPPKNI KDLMDLEAVH DVLDLYLWLS YRFMDMFPDA SLIRDLQKEL DGIIQDGVHN ITKLIKMSET HKLLNLEGFP SGSQSRLSGT LKSQARRTRG TKALGSKATE PPSPDAGELS LASRLVQQGL LTPDMLKQLE KEWMTQQTEH NKEKTESGTH PKGTRRKKKE PDSD
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	87,991 Da
Sequence Positions	23-786, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	605122
3D Structure	ModBase 3D Structure for Q8IYB8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SUPV3L1 recombinant protein	MBS1437214 is a recombinant protein targeting SUPV3L1. Also known as Recombinant Human ATP-dependent RNA helicase SUPV3L1, mitochondrial (SUPV3L1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SUPV3L1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SUPV3L1. It may not necessarily be applicable to this product.

NCBI GI #	676260291
NCBI GeneID	6832
NCBI Accession #	NP_001288612.1
UniProt Primary Accession #	Q8IYB8
UniProt Secondary Accession #	O43630; A8K301
UniProt Related Accession #	Q8IYB8
GenBank Nucleotide #	NM_001301683.1
NCBI Official Full Name	ATP-dependent RNA helicase SUPV3L1, mitochondrial isoform 2
NCBI Official Synonym Full Names	Suv3 like RNA helicase
NCBI Official Symbol	SUPV3L1
NCBI Official Synonym Symbols	SUV3
UniProt Protein Name	ATP-dependent RNA helicase SUPV3L1, mitochondrial
UniProt Synonym Protein Names	Suppressor of var1 3-like protein 1; SUV3-like protein 1
Protein Family	ATP-dependent RNA helicase
UniProt Gene Name	SUPV3L1
UniProt Synonym Gene Names	SUV3; SUV3-like protein 1
NCBI Protein Information	ATP-dependent RNA helicase SUPV3L1, mitochondrial
UniProt Comments for SUPV3L1	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.
Research Articles on SUPV3L1	**1.** the nucleolar- associated human SUV3 protein is an important factor in regulation of the cell cycle.
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