Splicing Factor 3b Subunit 4 (sap-49) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Splicing factor 3B subunit 4 (sap-49), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans Splicing factor 3B subunit 4 (sap-49)
Product Gene Name	sap-49 recombinant protein
Product Synonym Gene Name	sap-49
Sequence	MSAGPIVERN QDATIYVGGL DEKVSESILW ELMVQAGPVV SVNMPKDRVT ANHQGFGFVE FMGEEDADYA IKILNMIKLY GKPIKVNKAS AHEKNMDVGA NIFVGNLDPE VDEKLLYDTF SAFGVILQVP KIMRDVDSGT SKGFAFINFA SFEASDTALE AMNGQFLCNR AITVSYAFKR DSKGERHGTA AERMLAAQNP LFPKDRPHQV FSDVPLGVPA NTPLAMPGVH AAIAAHATGR PGYQPPPLMG MAQSGYQGQY PPVPPPPPSV TPMPPPMPPT PGMTPRPPPP PSSGMWPPPP PPPPGRTPGP PGMPGMPPPP PPSRFGPPGM GGMPPPPPPG MRYPGGMPPP PPPRYPSAGP GMYPPPPPSR PPAPPSGHGM IPPPPPPS
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	41,008 Da
Sequence Positions	1-388, Full length
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.
3D Structure	ModBase 3D Structure for Q09442
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sap-49 recombinant protein	MBS1429385 is a recombinant protein targeting sap-49. Also known as Recombinant Caenorhabditis elegans Splicing factor 3B subunit 4 (sap-49). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sap-49 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 sap-49. It may not necessarily be applicable to this product.

NCBI GI #	115532084
NCBI GeneID	4363023
NCBI Accession #	NP_001021932.1
UniProt Primary Accession #	Q09442

UniProt Secondary Accession #	Q8T8N6
UniProt Related Accession #	Q09442
GenBank Nucleotide #	NM_001026761.2
NCBI Official Full Name	Splicing factor 3B subunit 4
NCBI Official Symbol	sap-49
UniProt Protein Name	Splicing factor 3B subunit 4
UniProt Synonym Protein Names	Spliceosome-associated protein 49
UniProt Gene Name	sap-49
NCBI Protein Information	Splicing factor 3B subunit 4
UniProt Comments for sap-49	Subunit of the splicing factor SF3B required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA. May also be involved in the assembly of the 'E' complex. SF3B4 has been found in complex 'B' and 'C' as well. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron ().
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