Lariat Debranching Enzyme (dbr-1) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lariat debranching enzyme (dbr-1), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans Lariat debranching enzyme (dbr-1)
Product Gene Name	dbr-1 recombinant protein
Product Synonym Gene Name	dbr-1
Sequence	MSSKNPVDEQ PCCGSHEGSH QDPAPETLVV EKEVNNGEKK IRIAVVGCSH GEMDAIYETM TLIEQKNGYK FDLLICCGDY QAVRNYGDLP HMSIPPKYRS LQTFYKYYSG EQKAPVLTLF IGGNHEASGY LCELPNGGWV APNIYYMGFA NCIRFANLRI AGLSGIFSQG DFQFSHYERP SFSERDVKSA YHVRNVDMFR LRQLKSDNEN KISNPIDIML SHDWPGGIPD FGDKEWLFRK KDLFEADHNS GKLGNPSGMK LIYDCRPRYY LAAHLHIAFA ALVPHKGSGS GRPQPTRFLS LDKPIPGRKF MQALELNVAD DAKLELSYDP QWLAILRNTD LLTTGTKEQL ILPDMASNRP CVYERKDFRP TAEELKEIEK LGDLTIRTDS FQQTAPPLKE ITESSKNVPP SAYYRNPQSA EFCQWLGIRD LNQMLVEKTS EHVGTPYYMM TQDDANAKPN QDDVDFGDED FVIDRGHTSD EPEAKKSRLD EDKFEAVPSE
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	56,682 Da
Sequence Positions	1-500, 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 Q966M6
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dbr-1 recombinant protein	MBS1417105 is a recombinant protein targeting dbr-1. Also known as Recombinant Caenorhabditis elegans Lariat debranching enzyme (dbr-1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dbr-1 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 dbr-1. It may not necessarily be applicable to this product.

NCBI GI #	25145810
NCBI GeneID	172357
NCBI Accession #	NP_491868.2

UniProt Primary Accession #	Q966M6
UniProt Secondary Accession #	P90972
UniProt Related Accession #	Q966M6
GenBank Nucleotide #	NM_059467.5
NCBI Official Full Name	Lariat debranching enzyme
NCBI Official Symbol	dbr-1
UniProt Protein Name	Lariat debranching enzyme
UniProt Synonym Protein Names	Ce-dbr1
UniProt Gene Name	dbr-1
NCBI Protein Information	Lariat debranching enzyme
UniProt Comments for dbr-1	Cleaves the 2'-5' phosphodiester linkage at the branch point of lariat intron pre-mRNAs after splicing and converts them into linear molecules that are subsequently degraded. It thereby facilitates ribonucleotide turnover. It may also participate in retrovirus replication via an RNA lariat intermediate in cDNA synthesis ().
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