Dicer-Like Protein 1 (DCL1), Partial (DCL1) Phaeosphaeria Nodorum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dicer-like protein 1 (DCL1), partial, Recombinant Protein
Full Product Name	Recombinant Phaeosphaeria nodorum Dicer-like protein 1 (DCL1), partial
Product Gene Name	DCL1 recombinant protein
Product Synonym Gene Name	DCL1; SNOG_08521
Product Synonym Names	Dicer-like protein 1; Including the following 2 domains:; Endoribonuclease DCL1; EC=3.1.26.-; ATP-dependent helicase DCL1; EC=3.6.4.-
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	175,115 Da
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 Q0UI93
Species	Phaeosphaeria nodorum (strain SN15 / MYA-4574 / FGSC 10173) (Glume blotch fungus) (Septoria nodorum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DCL1 recombinant protein	MBS1331603 is a recombinant protein targeting DCL1. Also known as Recombinant Phaeosphaeria nodorum Dicer-like protein 1 (DCL1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DCL1 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 DCL1. It may not necessarily be applicable to this product.

NCBI GI #	169610828
NCBI GeneID	5975731
NCBI Accession #	XP_001798832.1
UniProt Primary Accession #	Q0UI93
GenBank Nucleotide #	XM_001798780.1
NCBI Official Full Name	hypothetical protein SNOG_08521
NCBI Official Symbol	SNOG_08521

UniProt Protein Name	Dicer-like protein 1
Protein Family	Dicer-like protein
UniProt Gene Name	DCL1
UniProt Entry Name	DCL1_PHANO
NCBI Protein Information	hypothetical protein
UniProt Comments for DCL1	Dicer-like endonuclease involved in cleaving double-stranded RNA in the RNA interference (RNAi) pathway. Produces 21 to 25 bp dsRNAs (siRNAs) which target the selective destruction of homologous RNAs leading to sequence-specific suppression of gene expression, called post-transcriptional gene silencing (PTGS). Part of a broad host defense response against viral infection and transposons ().
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