Nuclear Cap-Binding Protein Subunit 2 (ncbp-2) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nuclear cap-binding protein subunit 2 (ncbp-2), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans Nuclear cap-binding protein subunit 2 (ncbp-2)
Product Gene Name	ncbp-2 recombinant protein
Product Synonym Gene Name	ncbp-2
Sequence	MVFDPRTLDN PKEISAYRDQ RYQGTVRDQE TALRTSCTLY VGNLSYYTKE DQVYELFGRA GDVRRVIMGL DRFKKTPCGF CFVEYYTRED AELALQNISN TRMDDRVIRA DWDAGFIEGR QYGRGKHGGQ VRDEYRKDYD PERGGYNRAI AQKGGDRQ
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	6,487 Da
Sequence Positions	1-158, 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 Q93594
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ncbp-2 recombinant protein	MBS1376801 is a recombinant protein targeting ncbp-2. Also known as Recombinant Caenorhabditis elegans Nuclear cap-binding protein subunit 2 (ncbp-2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ncbp-2 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 ncbp-2. It may not necessarily be applicable to this product.

NCBI GI #	392886211
NCBI GeneID	184953
NCBI Accession #	NP_001250552.1
UniProt Primary Accession #	Q93594
UniProt Secondary Accession #	G3MU41; G3MU42; G3MU43

UniProt Related Accession #	Q93594
GenBank Nucleotide #	NM_001263623.1
NCBI Official Full Name	Nuclear cap-binding protein subunit 2
NCBI Official Symbol	ncbp-2
UniProt Protein Name	Nuclear cap-binding protein subunit 2
UniProt Synonym Protein Names	20 kDa nuclear cap-binding protein; NCBP 20 kDa subunit; CBP20
UniProt Gene Name	ncbp-2
UniProt Synonym Gene Names	cbp-20; CBP20
NCBI Protein Information	Nuclear cap-binding protein subunit 2
UniProt Comments for ncbp-2	Component of the cap-binding complex (CBC), which binds co-transcriptionally to the 5' cap of pre-mRNAs and is involved in various processes such as pre-mRNA splicing and RNA-mediated gene silencing (RNAi). The CBC complex is involved in miRNA-mediated RNA interference and is required for primary microRNAs (miRNAs) processing. In the CBC complex, ncbp-2 recognizes and binds capped RNAs (m7GpppG-capped RNA) but requires ncbp-1 to stabilize the movement of its N-terminal loop and lock the CBC into a high affinity cap-binding state with the cap structure ().
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