F-Actin-Capping Protein Subunit Beta (cap2) Emericella Nidulans Recombinant Protein

PRODUCT OVERVIEW

Product Name	F-actin-capping protein subunit beta (cap2), Recombinant Protein
Full Product Name	Recombinant Emericella nidulans F-actin-capping protein subunit beta (cap2)
Product Gene Name	cap2 recombinant protein
Product Synonym Gene Name	cap2; AN0290
Product Synonym Names	F-actin-capping protein subunit beta
Sequence	MADAQFDSAL DLLRRLNPRD TKQNLQAITS IVPDLTEDLL SSVDQPLEIR RCPKTKRDYL LCDYNRDGDS YRSPWSNEFD PPLDDGTVPS ERVRRLEVAA NEAFDVYREL YYEGGVGSVY FWDLDDGFAG VILLKKGVSP GGKHSGEWDS IHVFEATDRG RMAHYKLTST VILHLSNENE ALGEMDLSGN MTRQIEVDMN VDSDASHVAN VGKLVEDMEL KMRNLLQEVY FGKAKDVVGE LRSIGPLSET NRDRATHQEM IRGLQR
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	30,099 Da
Sequence Positions	1-266aa; 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.
3D Structure	ModBase 3D Structure for Q5BGP0
Species	Emericella nidulans (strain FGSC A4 / 38163 / CBS 112.46 / NRRL 194 / M139) (Aspergillus nidulans)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cap2 recombinant protein	MBS1352428 is a recombinant protein targeting cap2. Also known as Recombinant Emericella nidulans F-actin-capping protein subunit beta (cap2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cap2 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 cap2. It may not necessarily be applicable to this product.

NCBI GI #	67516017
NCBI GeneID	2876066
NCBI Accession #	XP_657894.1
UniProt Primary Accession #	Q5BGP0

UniProt Secondary Accession #	C8VUA6
UniProt Related Accession #	Q5BGP0
GenBank Nucleotide #	XM_652802.1
NCBI Official Full Name	hypothetical protein AN0290.2
NCBI Official Symbol	AN0290.2
UniProt Protein Name	F-actin-capping protein subunit beta
Protein Family	Adenylyl cyclase-associated protein
UniProt Gene Name	cap2
UniProt Entry Name	CAPZB_EMENI
NCBI Protein Information	hypothetical protein
UniProt Comments for cap2	F-actin-capping proteins bind in a Ca2+-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments ().
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