Cofilin (COF1) Candida Glabrata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cofilin (COF1), Recombinant Protein
Full Product Name	Recombinant Candida glabrata Cofilin (COF1)
Product Gene Name	COF1 recombinant protein
Product Synonym Gene Name	COF1; CAGL0E04048g
Product Synonym Names	Cofilin; Actin-depolymerizing factor 1
Sequence	MSRSGVAVAD ESIQAFNDLK LGMKYKFVLF SLNDAKTEIV VKETSSDPSY DAFLEKLPEN DCLYAVYDFE YQISESEGKR SKIVFFTWSP DTASVRPKMV YASSKDALKR ALNGVAIEIQ GTDFSEVSYE AVLEKVSRGA GSH
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	15,902 Da
Sequence Positions	1-143aa; 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 Q6FV81
Species	Candida glabrata (strain 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65) (Yeast) (Torulopsis glabrata)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for COF1 recombinant protein	MBS1350083 is a recombinant protein targeting COF1. Also known as Recombinant Candida glabrata Cofilin (COF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of COF1 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 COF1. It may not necessarily be applicable to this product.

NCBI GI #	50286867
NCBI GeneID	2887320
NCBI Accession #	XP_445863.1
UniProt Primary Accession #	Q6FV81
UniProt Related Accession #	Q6FV81

GenBank Nucleotide #	XM_445863.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	CAGL0E04048g
UniProt Protein Name	Cofilin
UniProt Synonym Protein Names	Actin-depolymerizing factor 1
Protein Family	Cofilin
UniProt Gene Name	COF1
UniProt Entry Name	COFI_CANGA
NCBI Protein Information	hypothetical protein
UniProt Comments for COF1	Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. Binding to F-actin is regulated by tropomyosin. It is the major component of intranuclear and cytoplasmic actin rods. Required for accumulation of actin at the cell division site via depolymerizing actin at the cell ends. In association with myosin II has a role in the assembly of the contractile ring via severing actin filaments. Involved in the maintenance of the contractile ring once formed. In association with profilin and capping protein, has a role in the mitotic reorganization of the actin cytoskeleton ().
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