Cofilin/Actin-Depolymerizing Factor Homolog 1 (PFE0165w) Plasmodium Falciparum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cofilin/actin-depolymerizing factor homolog 1 (PFE0165w), Recombinant Protein
Full Product Name	Recombinant Plasmodium falciparum Cofilin/actin-depolymerizing factor homolog 1 (PFE0165w)
Product Gene Name	PFE0165w recombinant protein
Product Synonym Gene Name	PFE0165w
Sequence	MISGIRVNDN CVTEFNNMKI RKTCGWIIFV IQNCEIIIHS KGASTTLTEL VQSIDKNNEI QCAYVVFDAV SKIHFFMYAR ESSNSRDRMT YASSKQAILK KIEGVNVLTS VIESAQDVAD LK
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	13,741 Da
Sequence Positions	1-122, 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 Q8I467
Species	Plasmodium falciparum (isolate 3D7)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PFE0165w recombinant protein	MBS1306946 is a recombinant protein targeting PFE0165w. Also known as Recombinant Plasmodium falciparum Cofilin/actin-depolymerizing factor homolog 1 (PFE0165w). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PFE0165w 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 PFE0165w. It may not necessarily be applicable to this product.

NCBI GI #	124505989
NCBI GeneID	812927
NCBI Accession #	XP_001351592.1
UniProt Primary Accession #	Q8I467
UniProt Related Accession #	Q8I467

GenBank Nucleotide #	XM_001351556.1
NCBI Official Full Name	actin-depolymerizing factor, putative
NCBI Official Symbol	PFE0165w
UniProt Protein Name	Cofilin/actin-depolymerizing factor homolog 1
Protein Family	Cofilin/actin-depolymerizing factor
UniProt Gene Name	PFE0165w
NCBI Protein Information	actin-depolymerizing factor, putative
UniProt Comments for PFE0165w	Not involved in actin polymerisation, instead functions to stimulate nucleotide exchange on monomeric actin and influence turnover of the small amount of cytosolic actin microfilaments. Essential for erythrocytic schizogony ().
Research Articles on PFE0165w	**1.** Studies indicatet that Plasmodium falciparum contains two members of the actin-depolymerizing factor/cofilin (AC) family of proteins, P. falciparum actin-depolymerizing factor 1 and P. falciparum actin-depolymerizing factor 2.
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