Ubiquitin-Like-Conjugating Enzyme ATG10 (ATG10) Candida Albicans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin-like-conjugating enzyme ATG10 (ATG10), Recombinant Protein
Full Product Name	Recombinant Candida albicans Ubiquitin-like-conjugating enzyme ATG10 (ATG10)
Product Gene Name	ATG10 recombinant protein
Product Synonym Gene Name	ATG10
Sequence	MITNQQFNDN IEEFISIMLA NLKLKGTDFE FSVNNNYVNK WNIDKMYSFV SVSVKQLRID FTISFDDLYG VPLLNMRLYD NDTFLTSPMA QRTLAVGICR VDLHNHHLLQ QPWLQVHPCE TLQTIDSHLK NTPTCKYNSV IQYLCCWFGL YGLPSIFPQF SVRPNIYINN VQSCKIK
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	20,668 Da
Sequence Positions	1-177, 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 Q5AEI2
Species	Candida albicans (strain SC5314 / MYA-2876) (Yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATG10 recombinant protein	MBS1349980 is a recombinant protein targeting ATG10. Also known as Recombinant Candida albicans Ubiquitin-like-conjugating enzyme ATG10 (ATG10). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ATG10 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 ATG10. It may not necessarily be applicable to this product.

NCBI GI #	68471880
NCBI GeneID	3638380
NCBI Accession #	XP_719983.1
UniProt Primary Accession #	Q5AEI2
UniProt Secondary Accession #	A0A1D8PJJ0

UniProt Related Accession #	Q5AEI2
GenBank Nucleotide #	XM_714890.1
NCBI Official Full Name	hypothetical protein CAALFM_C302930WA
NCBI Official Symbol	CAALFM_C302930WA
UniProt Protein Name	Ubiquitin-like-conjugating enzyme ATG10
UniProt Synonym Protein Names	Autophagy-related protein 10
Protein Family	Ubiquitin-like-conjugating enzyme
UniProt Gene Name	ATG10
NCBI Protein Information	hypothetical protein
UniProt Comments for ATG10	E2-like enzyme required for the cytoplasm to vacuole transport (Cvt), autophagy and nucleophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for proper localization of ATG8 to the preautophagosomal structure (PAS). Likely serves as an ATG5-recognition molecule ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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