Autophagy-Related Protein 21 (ATG21) Vanderwaltozyma Polyspora Recombinant Protein

PRODUCT OVERVIEW

Product Name	Autophagy-related protein 21 (ATG21), Recombinant Protein
Full Product Name	Recombinant Vanderwaltozyma polyspora Autophagy-related protein 21 (ATG21)
Product Gene Name	ATG21 recombinant protein
Sequence	MGLSRFNQDA TCFVTSSEGN SVTIYNCDPF GKCFEMVDED TQNIGDDDAR GDDNSGGDDD LLVEMLFSTN LVAIVHRKQG ILKSKKLKIV NIKRKTIICE LSFPHPIQDV VMNRKRVCVL LNSDQIHIYD ISCMKHLHTI DIWDSQVKSI TGQGVDSLSN SGTSNMTSLR ERSSTFSKSI SPKICLSNDD RSILAFNCYS TSSKSVILND VVIFDALNIS PLNYINSVHK GNVASLAISP DGKFIATASE KGTLVRIFNT GAETESELLT PLLYEFRRGN RPCNINQLTF NSDSTLLGCV GDSDTIHIFK LDSTSRLLSM SVNSEDNSHI TSEDIKALRK DPNSKQFTKL ISKTIKKSIP SQALRRDFAH ITIKNTKTKH ILGFPKEFMN QVYVLSNDGS FFIYSLPSTS GSCVLSKQND FK
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	46,848 Da
Sequence Positions	1-422, 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 A7TTC8
Species	Vanderwaltozyma polyspora (strain 22028 / DSM 70294) (Kluyveromyces polysporus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATG21 recombinant protein	MBS1257562 is a recombinant protein targeting ATG21. Also known as Recombinant Vanderwaltozyma polyspora Autophagy-related protein 21 (ATG21). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ATG21 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 ATG21. It may not necessarily be applicable to this product.

NCBI GI #	156836576
NCBI GeneID	5542483
NCBI Accession #	XP_001642343.1
UniProt Primary Accession #	A7TTC8
GenBank Nucleotide #	XM_001642293.1

NCBI Official Full Name	hypothetical protein Kpol_242p8
NCBI Official Symbol	Kpol_242p8
UniProt Protein Name	Autophagy-related protein 21
Protein Family	Autophagy-related protein
UniProt Gene Name	ATG21
NCBI Protein Information	hypothetical protein
UniProt Comments for ATG21	Required for cytoplasm to vacuole transport (Cvt) vesicles formation and mitophagy. Involved in binding of phosphatidylethanolamine to ATG8 and in recruitment of ATG8 and ATG5 to the pre-autophagosomal structure. Protects ATG8 from ARG4-mediated cleavage ().
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