Vacuolar Fusion Protein MON1 (MON1), Partial (MON1) Kluyveromyces Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vacuolar fusion protein MON1 (MON1), partial, Recombinant Protein
Full Product Name	Recombinant Kluyveromyces lactis Vacuolar fusion protein MON1 (MON1), partial
Product Gene Name	MON1 recombinant protein
Product Synonym Gene Name	MON1; KLLA0F09768g
Product Synonym Names	Vacuolar fusion protein MON1
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	60,856 Da
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 Q6CKL5
Species	Kluyveromyces lactis (strain 8585 / CBS 2359 / DSM 70799 / NBRC 1267 / NRRL Y-1140 / WM37) (Yeast) (Candida sphaerica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MON1 recombinant protein	MBS1350830 is a recombinant protein targeting MON1. Also known as Recombinant Kluyveromyces lactis Vacuolar fusion protein MON1 (MON1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MON1 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 MON1. It may not necessarily be applicable to this product.

NCBI GI #	50311003
NCBI GeneID	2894962
NCBI Accession #	XP_455524.1
UniProt Primary Accession #	Q6CKL5
UniProt Related Accession #	Q6CKL5
GenBank Nucleotide #	XM_455524.1
NCBI Official Full Name	hypothetical protein

NCBI Official Symbol	KLLA0F09768g
UniProt Protein Name	Vacuolar fusion protein MON1
Protein Family	Vacuolar fusion protein
UniProt Gene Name	MON1
UniProt Entry Name	MON1_KLULA
NCBI Protein Information	hypothetical protein
UniProt Comments for MON1	In complex with CCZ1, is required for multiple vacuole delivery pathways including the cytoplasm to vacuole transport (Cvt), autophagy, pexophagy and endocytosis. The CCZ1-MON1 complex acts at the fusion of vesicles with the vacuole, through its regulation of the SNARE complex during the coordinated priming and docking stages of fusion, and particularly at the stage of tethering/docking.
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