Mitochondrial Import Inner Membrane Translocase Subunit TIM16 (PAM16) Candida Glabrata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial import inner membrane translocase subunit TIM16 (PAM16), Recombinant Protein
Full Product Name	Recombinant Candida glabrata Mitochondrial import inner membrane translocase subunit TIM16 (PAM16)
Product Gene Name	PAM16 recombinant protein
Product Synonym Gene Name	PAM16; TIM16; CAGL0G04521g
Product Synonym Names	Mitochondrial import inner membrane translocase subunit TIM16; Presequence translocated-associated motor subunit PAM16
Sequence	MAHRALVKIV ITGTRVLGHA FAEAYRQAAA QSAAKQGASA MGRNKTGRGN AAAEYGGITL DESCKILNLD AAKDLKLDKV NQRFDYLFNI NDKEKGGSFY LQSKIYRASE RLKWELAQRE KEAAEEKLPK AEDASEDTGE KSPPSS
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	15,993 Da
Sequence Positions	1-146aa; 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 Q6FT88
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 PAM16 recombinant protein	MBS1306759 is a recombinant protein targeting PAM16. Also known as Recombinant Candida glabrata Mitochondrial import inner membrane translocase subunit TIM16 (PAM16). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PAM16 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 PAM16. It may not necessarily be applicable to this product.

NCBI GI #	50288255
NCBI GeneID	2887993
NCBI Accession #	XP_446556.1

UniProt Primary Accession #	Q6FT88
UniProt Related Accession #	Q6FT88
GenBank Nucleotide #	XM_446556.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	CAGL0G04521g
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit TIM16
UniProt Synonym Protein Names	Presequence translocated-associated motor subunit PAM16
Protein Family	Mitochondrial import inner membrane translocase
UniProt Gene Name	PAM16
UniProt Synonym Gene Names	TIM16
UniProt Entry Name	TIM16_CANGA
NCBI Protein Information	hypothetical protein
UniProt Comments for PAM16	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. In the complex, it is required to regulate activity of mtHSP70 (SSC1) via its interaction with PAM18/TIM14. May act by positioning PAM18/TIM14 in juxtaposition to mtHSP70 at the translocon to maximize ATPase stimulation ().
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