Mitochondrial Import Inner Membrane Translocase Subunit TIM54 (TIM54) Kluyveromyces Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial import inner membrane translocase subunit TIM54 (TIM54), Recombinant Protein
Full Product Name	Recombinant Kluyveromyces lactis Mitochondrial import inner membrane translocase subunit TIM54 (TIM54)
Product Gene Name	TIM54 recombinant protein
Product Synonym Gene Name	TIM54; KLLA0F01441g
Product Synonym Names	Mitochondrial import inner membrane translocase subunit TIM54
Sequence	MWKKLPSPGW LAFGTVVTVA GSGIAYDKYE QSQIRSLYVN HVRNEMSSSL STNVKPRKLL VLVAPPPNDY LDTSLKLWRR WIKPILHSSG LDYEIVSGTK QGEIRTEIAS RVRQLRKELI EQEQQQQHDA QSKKSRSWLD WFKWCRGVST TPDPVSEESP AASFDTRSVL GIFYHNEPQP VVTEDSLLDP SVAGGVICVG RGAYKEYIAG VHEGILGPLE EPPKVVESDA SSVTDTTASA VITENPSVKE ISVTQPAETA VAAATVGTTM NETGAVNTDS TPAETIPAET TPTENTPIET TPDESSEEKE GPKISKPYIL PSDYANASIP AELSKPLIID PKTGAPAFFE QPLLVVAVPN LSGFTTIPTR IARFYQKRFL CEQVSHSTLA IVEAKSRPFT TTDLDLSAYE ELDWPKSWVE SGKERGSEWV QPLQGDDRVL QKFRVVEPAI VPSLQLKEDQ SKKQELSPEN K
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	51,943 Da
Sequence Positions	1-471
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 Q6CLP4
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 TIM54 recombinant protein	MBS1418390 is a recombinant protein targeting TIM54. Also known as Recombinant Kluyveromyces lactis Mitochondrial import inner membrane translocase subunit TIM54 (TIM54). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TIM54 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 TIM54. It may not necessarily be applicable to this product.

NCBI GI #	50310251

NCBI GeneID	2896042
NCBI Accession #	XP_455145.1
UniProt Primary Accession #	Q6CLP4
UniProt Related Accession #	Q6CLP4
GenBank Nucleotide #	XM_455145.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	KLLA0F01441g
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit TIM54
Protein Family	Mitochondrial import inner membrane translocase
UniProt Gene Name	TIM54
UniProt Entry Name	TIM54_KLULA
NCBI Protein Information	hypothetical protein
UniProt Comments for TIM54	Essential component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. The TIM22 complex forms a twin-pore translocase that uses the membrane potential as external driving force ().
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