Translin-1 (tsn1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Translin-1 (tsn1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Translin-1 (tsn1)
Product Gene Name	tsn1 recombinant protein
Product Synonym Gene Name	tsn1
Sequence	MNKSIFIQLQ DQIDKEHSIR EKLTAEVDLL DEKLRVLQLL LANCEQNLEN QEEILEALEI IKSKTRGLAE LASNFPYYKY NGVWDRSIQK VVYLYLLASW TGRLDKSLRP TYSLLSLSEV GQILQVPVFP EESTFHLSIE QYLHAVLSLC SELARQSVNS VISGNYHIPF EALNTIQKVH SSFQVLSLKN DSLRRHFDGL KYDLKRSEDV VYDLRIHKLV
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	25,493 Da
Sequence Positions	1-220, 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 Q9P7V3
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tsn1 recombinant protein	MBS1359121 is a recombinant protein targeting tsn1. Also known as Recombinant Schizosaccharomyces pombe Translin-1 (tsn1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tsn1 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 tsn1. It may not necessarily be applicable to this product.

NCBI GI #	295443057
NCBI GeneID	2541714
NCBI Accession #	NP_594557.2
UniProt Primary Accession #	Q9P7V3
GenBank Nucleotide #	NM_001019986.3

NCBI Official Full Name	translin
NCBI Official Symbol	tsn1
UniProt Protein Name	Translin-1
UniProt Synonym Protein Names	Meiotically up-regulated gene 90 protein; Translin homolog
Protein Family	Ribonuclease
UniProt Gene Name	tsn1
UniProt Synonym Gene Names	mug90
NCBI Protein Information	translin
UniProt Comments for tsn1	DNA-binding protein that specifically recognizes consensus sequences at the breakpoint junctions in chromosomal translocations. Selectively binds single-stranded d(GT)n and d(GTT)n microsatellite repeats. Has much higher affinities for the homologous RNA sequences (GU)n and (GUU)n. Does not bind double-stranded DNA. Has a role in meiosis.
Research Articles on tsn1	**1.** Translin and Trax differentially regulate telomere-associated transcript homeostasis.
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