Tubulin-Specific Chaperone A (TBCA) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tubulin-specific chaperone A (Tbca), Recombinant Protein
Full Product Name	Recombinant Rat Tubulin-specific chaperone A (Tbca)
Product Gene Name	Tbca recombinant protein
Product Synonym Gene Name	Tbca
Sequence	ADPRVRQIKI KTGVVKRLVK EKVMYEKEAK QQEEKIEKMK AEDGENYAIK KQAEILQESR MMIPDCQRRL EAAYTDLRQI LESEKDLEEA EEYKEARIVL DSVKLEA
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	12,744 Da
Sequence Positions	2-108, 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 Q6PEC1
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tbca recombinant protein	The product of this gene is one of four proteins (cofactors A, D, E, and C) involved in the pathway leading to correctly folded beta-tubulin from folding intermediates. Cofactors A and D are believed to play a role in capturing and stabilizing beta-tubulin intermediates in a quasi-native confirmation. Cofactor E binds to the cofactor D beta-tubulin complex; interaction with cofactor C then causes the release of beta-tubulin polypeptides that are committed to the native state. This gene encodes chaperonin cofactor A.
Other Notes	Small volumes of Tbca 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.
Searchable Terms for Tbca purchase	MBS1424993 is a recombinant protein targeting Tbca. Also known as Recombinant Rat Tubulin-specific chaperone A (Tbca). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tbca. It may not necessarily be applicable to this product.

NCBI GI #	61557414
NCBI GeneID	366995
NCBI Accession #	NP_001013263.1

UniProt Primary Accession #	Q6PEC1
UniProt Related Accession #	Q6PEC1
GenBank Nucleotide #	NM_001013245.2
NCBI Official Full Name	tubulin-specific chaperone A
NCBI Official Synonym Full Names	tubulin folding cofactor A
NCBI Official Symbol	Tbca
UniProt Protein Name	Tubulin-specific chaperone A
UniProt Synonym Protein Names	TCP1-chaperonin cofactor A; Tubulin-folding cofactor A; CFA
UniProt Gene Name	Tbca
UniProt Synonym Gene Names	CFA
NCBI Protein Information	tubulin-specific chaperone A
UniProt Comments for Tbca	Tubulin-folding protein; involved in the early step of the tubulin folding pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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