Tubulin-Specific Chaperone E (TBCE) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tubulin-specific chaperone E (Tbce), Recombinant Protein
Full Product Name	Recombinant Rat Tubulin-specific chaperone E (Tbce)
Product Gene Name	Tbce recombinant protein
Product Synonym Gene Name	Tbce
Sequence	SDILPLDVIG RRVEVNGEYA TVRFCGAVPP VAGLWLGVEW DNPERGKHDG SHEGTMYFKC RHPTGGSFVR PNIVNFGEDF LTALKKRYVL TDGPDDDEKS CSLKVGSKQV QTIGFEHITK KQSQLRSLQD ISLWKCAVSC AGERGRIAEA CPNIRVVDLS KNLLSTWDEV ILIAEQLKDL EALDLSENKL QFPSDSPTLT RTFSTLKTLV LNKTGITWTE VLHCAPSWPV LQELYLKSNG ISISERPVNA LQNLRLLDLS SNPSIDESQL CLIAYLPRLE HLLLSDIGLS SIHFPDAEIG CKTSMFPALT YLIVNDNQIS EWSFINELDK LQSLQALSCA RNPLTKGDKA EEIIIAKIGQ LKTLNRCQIL PEERRGAELD YRKAFGKEWR KAGGHPDPDR NRPSAEFLSA HPRYQLLCCK YGAPEDEELK TQQPFMLKNQ LLTLKIKCSN QPEQQILEKQ LPDSMTIQKV KGLLSRLLKV PVSELLLSYE SSKMPGREIE LENDLQPLQF YSVENGDCLL VRW
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	59,043 Da
Sequence Positions	2-524, 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 Q5FVQ9
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tbce recombinant protein	Cofactor E 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. Two transcript variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of Tbce 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 Tbce purchase	MBS1344939 is a recombinant protein targeting Tbce. Also known as Recombinant Rat Tubulin-specific chaperone E (Tbce). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	58865894
NCBI GeneID	361255
NCBI Accession #	NP_001012161.1
UniProt Primary Accession #	Q5FVQ9
UniProt Related Accession #	Q5FVQ9
GenBank Nucleotide #	NM_001012161.1
NCBI Official Full Name	tubulin-specific chaperone E
NCBI Official Synonym Full Names	tubulin folding cofactor E
NCBI Official Symbol	Tbce
UniProt Protein Name	Tubulin-specific chaperone E
UniProt Synonym Protein Names	Tubulin-folding cofactor E
Protein Family	Tubulin-specific chaperone
UniProt Gene Name	Tbce
NCBI Protein Information	tubulin-specific chaperone E
UniProt Comments for Tbce	Tubulin-folding protein; involved in the second step of the tubulin folding pathway and in the regulation of tubulin heterodimer dissociation. Required for correct organization of microtubule cytoskeleton and mitotic splindle, and maintenance of the neuronal microtubule network.
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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