Tubulin Beta-2b Chain (TUBB2B) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tubulin beta-2B chain (Tubb2b), Recombinant Protein
Full Product Name	Recombinant Rat Tubulin beta-2B chain (Tubb2b)
Product Gene Name	Tubb2b recombinant protein
Product Synonym Gene Name	Tubb2b
Sequence	MREIVHIQAG QCGNQIGAKF WEVISDEHGI DPTGSYHGDS DLQLERINVY YNEATGNKYV PRAILVDLEP GTMDSVRSGP FGQIFRPDNF VFGQSGAGNN WAKGHYTEGA ELVDSVLDVV RKESESCDCL QGFQLTHSLG GGTGSGMGTL LISKIREEYP DRIMNTFSVM PSPKVSDTVV EPYNATLSVH QLVENTDETY CIDNEALYDI CFRTLKLTTP TYGDLNHLVS ATMSGVTTCL RFPGQLNADL RKLAVNMVPF PRLHFFMPGF APLTSRGSQQ YRALTVPELT QQMFDSKNMM AACDPRHGRY LTVAAIFRGR MSMKEVDEQM LNVQNKNSSY FVEWIPNNVK TAVCDIPPRG LKMSATFIGN STAIQELFKR ISEQFTAMFR RKAFLHWYTG EGMDEMEFTE AESNMNDLVS EYQQYQDATA DEQGEFEEEE GEDEA
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	49,953 Da
Sequence Positions	1-445, 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 Q3KRE8
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tubb2b recombinant protein	MBS1285171 is a recombinant protein targeting Tubb2b. Also known as Recombinant Rat Tubulin beta-2B chain (Tubb2b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Tubb2b 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 Tubb2b. It may not necessarily be applicable to this product.

NCBI GI #	110347600
NCBI GeneID	291081
NCBI Accession #	NP_001013908.2
UniProt Primary Accession #	Q3KRE8

UniProt Secondary Accession #	P04691; A3KMR7
UniProt Related Accession #	Q3KRE8
GenBank Nucleotide #	NM_001013886.2
NCBI Official Full Name	tubulin beta-2B chain
NCBI Official Synonym Full Names	tubulin, beta 2B class IIb
NCBI Official Symbol	Tubb2b
NCBI Official Synonym Symbols	Tubb2; RGD1309427
UniProt Protein Name	Tubulin beta-2B chain
UniProt Synonym Protein Names	T beta-15
Protein Family	Tubulin
UniProt Gene Name	Tubb2b
UniProt Synonym Gene Names	Tubb2a
NCBI Protein Information	tubulin beta-2B chain
UniProt Comments for Tubb2b	Tubulin is the major constituent of microtubules (PubMed:19465910). It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. Plays a critical role in proper axon guidance in both central and peripheral axon tracts. Implicated in neuronal migration ().
Research Articles on Tubb2b	**1.** Tubulin tail sequences and post-translational modifications regulate closure of mitochondrial voltage-dependent anion channel, VDAC.
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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