

Tubulin beta-4 chain (TUBB4), Recombinant Protein

Cat RP12510

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Tubulin beta-4 chain (TUBB4)

Product Gene Name

TUBB4 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MREILHIQGG QCGNQIGAKF WEVVCDEHGI DPTGRYTGNS DLQLERVNVY YNEASCGRFV PRAVLMDLEP
GTMDSVRTGP YGQIFRPDNF VFGQSGAGNN WAKGHYTEGA ELIDSVLDVV RKEAENDCL QGFQVCHSLG
GGTGSGMGTL LISKIREEYP DRMMLTFSVF PSPKVSDEVV EPYNATLSVH QLVENADECM VLDNEALYDI
CFRTLKLTTP SFGDLNHLIS ATMSGVTCCCL RFPGQLNSDL RKLAVNLIPF PRLHFFMVGF APLTSRGSQQ
YRALVPELT QQMWDANKMM CAADPRHGRY LTASAMFRGK MSTKEVDEQM INVQNKNSY FVEWIPNNVK
SSVCDIPPRG LSMASTFIGN STSIQEMFRR VSEQFTAMFR RKAFLHWYTG EGMDEMEFTE AESNMNDLVS
EYQQYQDATA DEEGEYEDEE QQEADDM

Sequence Positions

1-447, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

50,290 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.
Repeated freezing and thawing is not recommended.

Protein Family

Tubulin

NCBI Accession

P45960.1

NCBI GI

1174598

NCBI GeneID

4327550

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

LOC4327550

NCBI Official Synonym Symbols

TUB4; tubB; R1623; TUBB4; RTUB-1; OSTB-16

NCBI Protein Information

tubulin beta-4 chain

UniProt Gene Name

TUBB4

UniProt Synonym Gene Names

OSTB-16; R1623; RTUB-1; TUB4

UniProt Protein Name

Tubulin beta-4 chain

UniProt Synonym Protein Names

Beta-4-tubulin

UniProt Primary Accession

P45960

UniProt Secondary Accession

Q0JIE9; Q7F5W3

UniProt Related Accession

P45960

UniProt Comments

Tubulin is the major constituent of microtubules. 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.

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