

Tubulin alpha-2 chain (TUBA2), Recombinant Protein

Cat *RP10574*

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 Zea mays (Maize)

Full Product Name

Recombinant Zea mays Tubulin alpha-2 chain (TUBA2)

Product Gene Name

TUBA2 recombinant protein

Purity

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

Sequence

MRECISIHIG QAGIQVGNAC WELYCLEHGI QADGQMPGDK TIGGGDDAFN TFFSETGAGK HVPRAVFVDL
EPTVIDEVRT GTYRQLFHPE QLISGKEDAA NNFARGHYTI GKEIVDLCLD RIRKLADNCT GLQGFLVFNA
VGGGTGSGLG SLLLERLSVD YGKKSCLGFT VYPSPQVSTS VVEPYNSVLS THSLEHTDV AILLDNEAIY
DICRRSLDIE RPTYTNLNLRL VSQVISSLTA SLRFDGALNV DVNEFQTNLV PYPRIHFMLS SYAPVISA EK
AYHEQLSVAE ITNSAFEPSS MMAKCDPRHG KYMACCLMYR GDVVPKDVNA AVATIKTKRT IQFVDWCPTG
FKCGINYQPP SVVPGGDLAK VQRAVCMISN STSVVEVFSR IDHKFDLMYA KRAVHWYVG EGMEEGEFSE
AREDLAALEK DYEEVGA EFD EGEEGDDGDE Y

Sequence Positions

1-451, 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

49,731 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

XP_008665339.1

NCBI GI

670368165

NCBI GenBank Nucleotide

XM_008667117.2

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

103643947 mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1

mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

tubulin alpha-2 chain

NCBI Official Symbol

LOC103643947

NCBI Official Synonym Symbols

TUA2; TUBA2; GRMZM2G153292

NCBI Protein Information

tubulin alpha-2 chain

UniProt Gene Name

TUBA2

UniProt Synonym Gene Names

TUA2

UniProt Protein Name

Tubulin alpha-2 chain

UniProt Synonym Protein Names

Alpha-2-tubulin

UniProt Primary Accession

P14641

UniProt Related Accession

P14641

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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