

Tubulin beta-1 chain (TUBB1), Recombinant Protein

Cat *RP15848*

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

Species mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Solanum tuberosum (Potato)

Full Product Name

Recombinant Solanum tuberosum Tubulin beta-1 chain (TUBB1)

Product Gene Name

TUBB1 recombinant protein

Purity

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

Sequence

MREILHIQGG QCGNQIGSKF WEVICDEHGV DPTGRYKGTA AESDLQLERI NVYFNEASGG RYVPRAVLMD
LEPGTMSIR SGYPGQIFRP DNLVFGQSGA GNNWAKGHYT EGAEIDAVL DVVRKEAENC DCLQGFQVCH
SLGGGTGSGM GTLLISKVRE EYPDRMMLTF SVFPSPKVSD TVVEPYNATL SVHQLVENAD ECMVLDNEAL
YDICFRTLKL TTPSFGDLNH LISATMSGVT CCLRFPGQLN SCLRKLAVNL IPLPRLHFFM VGFAPLTSRG
SQQYISLTVP ELTQQMWDAA NMMCAADPRH GRYLTASAMF RGKMSTKEVD EQMINVQNKN SSYFVEWIPN
NVKSSVCDIP PTGLKMASTF VGNSTSIQEM FRRVSEQFTA MFRKAFHLW YTGEGMDEME FTEAESNMND
PVAEYQQYQD ATADDEEEYD DEAADDHQYE S

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

50,488 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

P46263.1

NCBI GI

1174595

NCBI GeneID

102577624

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)

NCBI Official Symbol

LOC102577624

NCBI Official Synonym Symbols

TUBB1; TUBB2

NCBI Protein Information

beta-tubulin-like protein

UniProt Gene Name

TUBB1

UniProt Protein Name

Tubulin beta-1 chain

UniProt Synonym Protein Names

Beta-1-tubulin

UniProt Primary Accession

P46263

UniProt Related Accession

P46263; P46264

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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