



[Go to Product page](#)

Datasheet for ABIN5776684
Tubulin Protein (TUB) (Biotin)

Overview

Quantity:	0.1 mg
Target:	Tubulin (TUB)
Origin:	Cow
Source:	Cow
Protein Type:	Native
Purification tag / Conjugate:	This Tubulin protein is labelled with Biotin.
Application:	In vitro Assay (in vitro), Single Molecule Motor Assays (SMMA), Affinity Chromatography (AC), Molecular tweezers (MT), Single-beam gradient force trap (Optical trap)

Product Details

Purpose:	Endogenous cytoskeletal protein
Characteristics:	Polymerizes to form microtubules
Purification:	Endogenous protein purified by differential centrifugation
Purity:	> 99 %

Target Details

Target:	Tubulin (TUB)
Alternative Name:	tubulin (TUB Products)
Molecular Weight:	~110 kDa

Application Details

Application Notes: Tested for labeling stoichiometry (absorbance) and polymerization competency (fluorescence microscopy)

Comment: for use, but not limited to, in a variety of experimental systems including: optical traps and molecular tweezers, single molecule kinesin motor assays, tubulin affinity columns, in vitro nanoscale devices

Protocol: It is recommended to combine labeled tubulin with unlabeled tubulin at a ratio of 1:9 to a total tubulin concentration of 2 mg/mL

Restrictions: For Research Use only

Handling

Format: Frozen

Reconstitution: Thaw rapidly at 37 °C and immediately place on ice

Concentration: 20 mg/mL

Buffer: 50 mM K-Glutamate and 0.5 mM MgCl₂, pH 7.0

Preservative: Without preservative

Storage: -80 °C

Storage Comment: Storage: -80°C
