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Datasheet for ABIN5776680 **Tubulin Protein (TUB)**

Overview

Quantity:	1 mg
Target:	Tubulin (TUB)
Origin:	Cow
Source:	Cow
Protein Type:	Native
Application:	Biochemical Assay (BCA), Crystallization (Crys), Electron Microscopy (EM), High-throughput Screening (HTS)

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 purity (protein gel) and polymerization competency (fluorescence microscopy and light scattering)
Comment:	for use, but not limited to, in cell-free experimental systems including: structural analysis by X-ray crystallography and electron, drug discovery by high-throughput screening microscopy, in vitro biochemical and biophysical approaches
Protocol:	The recommended tubulin concentration for ensuring polymerization is 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:	80 mM PIPES, 1 mM EGTA, and 1 mM MgCl ₂ , pH 6.8
Preservative:	Without preservative
Storage:	-80 °C
Storage Comment:	Storage: -80°C