

Recombinant Human TUBB4A Protein

Catalog No.: RP02833

Sequence Information

Species	Gene ID
Human	10382
Swiss Prot	Tags
P04350	N-His

Synonyms

Tubulin Beta-4A Chain; Tubulin 5 Beta; Tubulin Beta-4 Chain; TUBB4A; TUBB4; TUBB5

Product Information

Source	Purification
<i>E. coli</i>	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
51.7 kDa	58 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris-HCl, 50mM NaCl, 2M Urea, pH8.0.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Tubulin Beta-4A Chain (TUBB4A) is a cytoplasmic peptide containing 444 amino acids. TUBB4A is a member of the Tubulin family. Tubulin is the major constituent of microtubules. Tubulin is a dimer composed of one alpha and one beta tubulin molecule; there are many forms of beta tubulins, Beta II and Beta IV Tubulin are ubiquitously expressed. 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.

Basic Information

Description

Recombinant Human TUBB4A Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Ala444) of human TUBB4A (Accession #NP_006078.2) fused with a 6×His tag at the N-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

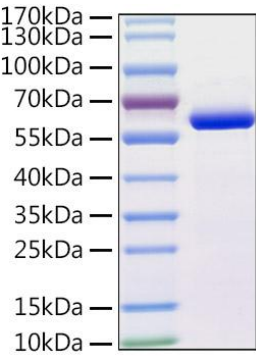
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human TUBB4A Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.