

Recombinant Human TUBB4A Protein

Catalog No.: RP02833 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	10382	P04350

Tags

N-His

Synonyms

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

Product Information

Source

E. coli

Purification

> 90% as
determined by
reducing SDS-PAGE.

Endotoxin

<1EU/ μ g

Formulation

Lyophilized from a 0.22 μ m 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.

Contact

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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. Beta-III Tubulin, also known as Tubulin Beta-4, is regarded as a neuron-specific marker. 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 \times His tag at the N-terminus.

Bio-Activity

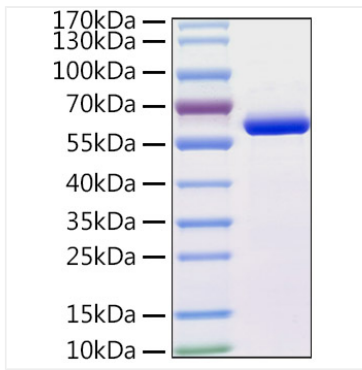
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human TUBB4A Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 58 KDa.