

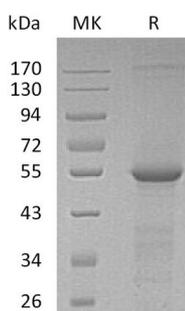
**Product Name: Recombinant Human TUBB4A (N-6His)**  
**Catalog #: PEH1741**



## Summary

<b>Name</b>	Tubulin beta-4 chain/TUBB4
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Tubulin Beta-4A Chain is produced by our E.coli expression system and the target gene encoding Met1-Ala444 is expressed with a 6His tag at the N-terminus.
<b>Accession #</b>	P04350
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	51.7 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM Histidine-HCl, 10% Trehalose, 100mM NaCl, 0.05% Tween 80, pH6.5.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Human TUBB4A (N-6His)**  
**Catalog #: PEH1741**



---

**Alternative Names**

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

**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.

**Note**

For Research Use Only , Not for Diagnostic Use.