



Recombinant Protein Technical Manual

Recombinant Human TUBB4A Protein (His Tag)

RPES1545

Product Data:

Product SKU: RPES1545

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P04350

Protein Information:

Molecular Mass: 51.7 kDa

AP Molecular Mass: 58 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Ala444

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.