

32-8229: Recombinant Human Tubulin beta-4A Chain/TUBB4A (N-6His)

Gene : TUBB4A

Gene ID : 10382

Uniprot ID : P04350

Description

Source: E. coli.

MW :51.7kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg

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

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : MNHKVHHHHHMHREIVHLQAGQCQGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLERINVYYNEATGGNYVP
RAVLVDLEPGTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDAVLDDVVRKEAESCDCLQG
FQLTHSLGGGTGSGMGTLISKIREEFDRIMNTFSVVPSPKVS DTVVEPYNATLSVHQLVENTDETYCIDNEAL
YDICFRTLKLTTPYGDNLHLSATMSGVTTCLRFPGQLNADLRKLAVNMVFPRLHFFMPGFAPLTSRGSQQY
RALTVP ELTQQMFDAKNMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLSVQSKNSSYFVEWIPNNVKTA
VCDIPPRGLKMAATFIGNSTAIQELFKRISEQFTAMFRRKAFHWWYTGE GMDMEFTEAESNMNDLVSEYQQYQ
DATAEEGEFEEEEEEVAVDLQSR

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.