

Recombinant Human Tubulin beta-2A chain(TUBB2A)

Catalog No: #AP70890

Package Size: #AP70890-1 20ug #AP70890-2 100ug #AP70890-3 1mg

Description

Product Name	Recombinant Human Tubulin beta-2A chain(TUBB2A)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-445aaSequence Info:Full Length
Other Names	Tubulin beta class IIa
Accession No.	Q13885
Calculated MW	65.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGSYHGSDQLQLERINYYNEAAGNKYVPAILVDLEPGTM DSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKESESCDCLQGFQLTHSLGGGTG SGMGTLISKIREEYPDRIMNTFSVMPSPKVSDTVVEPYNATLSVHQLVENTDETYSIDNEALYDICFRTLKLT PTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLAVNMVFPRLHFFMPGFAPLTSRGSQQYRALTVPELTQ QMFDSKNMMAACDPRHGRYLTVAIFRGRMSMKEVDEQMLNVQKNSSYFVEWIPNNVKTAVCDIPPRGLK MSATFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEQMDMEFTEAESNMNDLVSEYQQYQDATADEQGE EFFFFFFEGEDEA
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Tubulin is the major constituent of microtubules. 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 .

References

De novo mutations in the beta-tubulin gene TUBB2A cause simplified gyral patterning and infantile-onset epilepsy.Cushion T.D., Paciorkowski A.R., Pilz D.T., Mullins J.G., Seltzer L.E., Marion R.W., Tuttle E., Ghoneim D., Christian S.L., Chung S.K., Rees M.I., Dobyns W.B.Am. J. Hum. Genet. 94:634-641(2014) Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.