Recombinant Human TUBB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TUBB-2001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TUBB MS Standard C13 and N15-labeled recombinant protein (NP_821133) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.
Molecular Mass	49.7 kDa
AA Sequence	MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLDRISVYYNEATGG KYVPRAILVDLEPGTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELV DSVLDVVRKEAESCDCLQGFQLTHSLGGGTGSGMGTLLISKIREEYPDRIMNTFSVV PSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDICFRTLKLTTPTYGDLNHL VSATMSGVTTCLRFPGQLNADLRKLAVNMVPFPRLHFFMPGFAPLTSRGSQQYRAL TVPELTQQVFDAKNMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLNVQNKNS SYFVEWIPNNVKTAVCDIPPRGLKMAVTFIGNSTAIQELFKRISEQFTAMFRRKAFLH WYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEEEDFGEEAEEEATRTRPLE

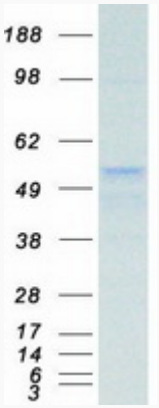
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	QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TUBB tubulin beta class I [Homo sapiens (human)]
Official Symbol	TUBB
Synonyms	TUBB; tubulin, beta class I; tubulin, beta, tubulin, beta polypeptide; tubulin beta chain; beta1 tubulin; class I beta tubulin; M40; MGC16435; OK/SW cl.56; Tubb5; beta1-tubulin; beta 5-tubulin; beta-4 tubulin; beta Ib tubulin; class I beta-tubulin; tubulin beta-1 chain; tubulin beta-5 chain; tubulin beta polypeptide; tubulin, beta polypeptide; TUBB1; TUBB5; OK/SW-cl.56; MGC117247;
Gene ID	203068
mRNA Refseq	NM_178014
Protein Refseq	NP_821133

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MIM	191130
UniProt ID	P07437
SDS-PAGE	

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