

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

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

## SPECIFICATION

<b>Product Overview</b>	TUBB MS Standard C13 and N15-labeled recombinant protein (NP_821133) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	49.7 kDa
<b>AA Sequence</b>	MREIVHIQAGQCQGNQIGAKFWEVISDEHGIDPTGTYHGDSLQLDRISVYYNEATGG KYVPRAILVDLEPGTMDSVRSRGGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELV DSVLDVVRKEAESCDCLQGFQLTHSLGGGTGSGMGTLLISKIREEYPDRIMNTFSV PSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDICFRTLKLTTPYGDLNHL VSATMSGVTTCLRFPGQLNADLRKLAVNMPFRLHFFMPGFAPLTSRGSQQYRAL TVPELTQQVFDKNNMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLNVQNKNS SYFVEWIPNNVKTAVCDIPPRGLKMAVTFIGNSTAIQELFKRISEQFTAMFRRKAFLH WYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEEEEDFGEEAEEEEATRTRPLE

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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 1b 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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