

Recombinant Human TUBA3E Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. TUBA3E-115H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TUBA3E MS Standard C13 and N15-labeled recombinant protein (NP_997195) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. This gene encodes an alpha tubulin that highly conserved among species. A missense mutation in this gene has been potentially linked to microlissencephaly and global developmental delay.
Molecular Mass	49.9 kDa
AA Sequence	MRECISIHVGQAGVQIGNACWELCYCLEHGIQPDGQMPSDKTIGGGDDSFNTFFSET GAGKHVPRAVFVDLEPTVVDEVRTGTYRQLFHPEQLITGKEDAASNYARGHYTIGKE IVDLVLDRIRKLADLCTGLQGFLIFHSFGGGTGSGFASLLMERLSVDYSKKSLEFAIY PAPQVSTAVVEPYNSILTHTTLEHSDCAFMVDNEAIYDICRRNLDIERPTYTNLNRLI

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GQIVSSITASLRFDGALNVDLTEFQTNLVPYPRIHFPLATYAPVISAEEKAYHEQLSVAEI
 TNACFEPANQMVKCDPRHGKYMACCMLYRGDVVPKDVNAAIATIKTKRTIQFVDWC
 PTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSNTTAIAEAWARLVHKFDLMYAKWA
 FVHWYVGEGMEEGEFSEAREDLAALEKDCCEEVGVDSVEAEAEEGEEYTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

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 TUBA3E tubulin alpha 3e [Homo sapiens (human)]

Official Symbol TUBA3E

Synonyms TUBA3E; tubulin alpha 3e; tubulin, alpha 3e; tubulin alpha-3E chain

Gene ID 112714

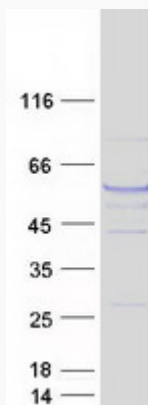
mRNA Refseq NM_207312

Protein Refseq NP_997195

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SDS-PAGE

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