

Recombinant Human TUBA3C Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. TUBA3C-357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TUBA3C MS Standard C13 and N15-labeled recombinant protein (NP_524575) 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. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene is an alpha tubulin gene that encodes a protein 99% identical to the mouse testis-specific Tuba3 and Tuba7 gene products. This gene is located in the 13q11 region, which is associated with the genetic diseases Clouston hidrotic ectodermal dysplasia and Kabuki syndrome. [provided by RefSeq, Jul 2008]
Molecular Mass	46.1 kDa
AA Sequence	MRECISIHVGQAGVQIGNACWELCYCLEHGIQPDGQMPSDKTIGGGDDSFNTFFSET

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GAGKHPRAVFDLEPTVVDEVRTGTYRQLFHPEQLITGKEDAANNYARGHYTIGK
 EIVDLVLDRIRKLADLCTGLQGFLIFHSFGGGTGS GFASLLMERLSVDYGKKSLEFAI
 YPAPQVSTAVVEPYNSILTTHTTLEHSDCAFMVDNEAIYDICRRNLDIERPTYTNLNLRL
 IGQIVSSITASLRFDGALNVDLTFEQTNLVPYPRIHFPLATYAPVISA EKAYHEQLSVAE
 ITNACFEPANQMVKCDPRHGKYM ACCMLYRGDVVPKDVNAAIATIKTKRTIQFVDW
 CPTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSNTTAIAEAWARLDLAALEKDYEEV
 GVDSVEAEAEEGEEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 TUBA3C tubulin, alpha 3c [Homo sapiens (human)]

Official Symbol TUBA3C

Synonyms TUBA3C; tubulin, alpha 3c; TUBA2, tubulin, alpha 2; tubulin alpha-3C/D chain; bA408E5.3; alpha-tubulin 2; tubulin, alpha 2; alpha-tubulin 3C/D; tubulin alpha-2 chain; TUBA2; TUBA3D;

Gene ID 7278

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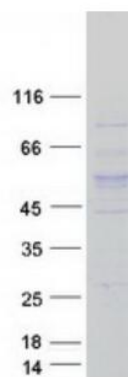
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MIM 602528

UniProt ID Q13748

SDS-PAGE



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