

Product datasheet for RC204072L3

OriGene Technologies, Inc.

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alpha Tubulin (TUBA3C) (NM_079836) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: alpha Tubulin (TUBA3C) (NM_079836) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: alpha Tubulin

Synonyms: bA408E5.3; TUBA2; tubulin, alpha 2; tubulin, alpha 3c

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clo

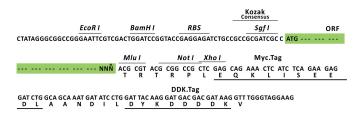
Sequence:

The ORF insert of this clone is exactly the same as(RC204072).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_079836

ORF Size: 1254 bp





alpha Tubulin (TUBA3C) (NM_079836) Human Tagged Lenti ORF Clone - RC204072L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 079836.1</u>, <u>NP 524575.1</u>

RefSeq Size:1408 bpRefSeq ORF:1256 bpLocus ID:7278

Cytogenetics:

Protein Families: Druggable Genome, Stem cell - Pluripotency

13q12.11

Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

MW: 46.1 kDa

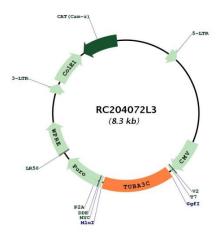
Gene Summary: Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are

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]



Product images:



Circular map for RC204072L3