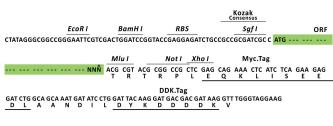


# Product datasheet for RC209279L3

## TUBA3E (NM\_207312) Human Tagged Lenti ORF Clone

### **Product data:**

#### **Product Type: Expression Plasmids Product Name:** TUBA3E (NM\_207312) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: **TUBA3E** 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 clone is exactly the same as(RC209279). Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Safl Mlu I --- GCG ATC GC ATG --- // --- NNN ACG CGT ---



\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_207312 1350 bp



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<b>TUBA3E (NM_207312) Human Tagged Lenti ORF Clone – RC209279L3</b>	
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. <u>More info</u>
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 207312.1, NP 997195.1</u>
RefSeq Size:	1554 bp
RefSeq ORF:	1353 bp
Locus ID:	112714
UniProt ID:	<u>Q6PEY2</u>
Cytogenetics:	2q21.1
Protein Families:	Druggable Genome
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection
MW:	49.9 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. 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. [provided by RefSeq, Jul 2016]

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