

Product datasheet for **RR201784L4V**

Tubb3 (NM_139254) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tubb3 (NM_139254) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Tubb3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139254
ORF Size:	1350 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR201784).
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.
RefSeq:	NM_139254.2
RefSeq Size:	1796 bp
RefSeq ORF:	1353 bp
Locus ID:	246118
UniProt ID:	Q4QRB4
Cytogenetics:	19q12



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Gene Summary:

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. TUBB3 plays a critical role in proper axon guidance and maintenance (By similarity). Binding of NTN1/Netrin-1 to its receptor UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (By similarity). Plays a role in dorsal root ganglion axon projection towards the spinal cord (By similarity).[UniProtKB/Swiss-Prot Function]