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Product datasheet for RC200755L4V

beta III Tubulin (TUBB3) (NM_006086) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	beta III Tubulin (TUBB3) (NM_006086) Human Tagged ORF Clone Lentiviral Particle
Symbol:	beta III Tubulin
Synonyms:	beta-4; CDCBM; CDCBM1; CFEOM3; CFEOM3A; FEOM3; TUBB4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006086
ORF Size:	1350 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200755).`
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_006086.2
RefSeq Size:	1794 bp
RefSeq ORF:	1353 bp
Locus ID:	10381
UniProt ID:	Q13509
Cytogenetics:	16q24.3
Domains:	tubulin
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS

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Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

MW: 50.4 kDa

Gene Summary: This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Oct 2010]