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Product datasheet for RC213312L2V

Tau (MAPT) (NM_005910) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tau (MAPT) (NM_005910) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAPT
Synonyms:	DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU; tau-40
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005910
ORF Size:	1323 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213312).
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).
RefSeq:	NM_005910.3
RefSeq Size:	5731 bp
RefSeq ORF:	1326 bp
Locus ID:	4137
UniProt ID:	P10636
Cytogenetics:	17q21.31
Domains:	tubulin-binding
Protein Families:	Druggable Genome

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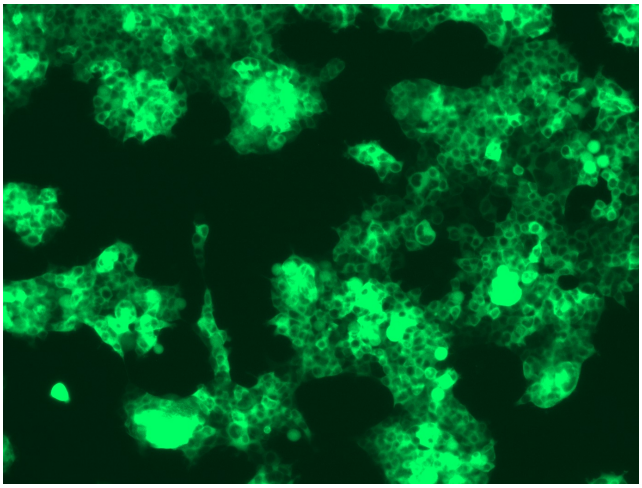
Protein Pathways: Alzheimer's disease, MAPK signaling pathway

MW: 45.7 kDa

Gene Summary: This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008]

Product images:



[RC213312L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC213312L2V particle to overexpress human MAPT-mGFP fusion protein.