

## Product datasheet for **KN213312BN**

### Tau (MAPT) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Tau
Locus ID:	4137
Components:	<p><b>KN213312G1</b>, Tau gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN213312G2</b>, Tau gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN213312BND</b>, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_001123066</a> , <a href="#">NM_001123067</a> , <a href="#">NM_001203251</a> , <a href="#">NM_001203252</a> , <a href="#">NM_005910</a> , <a href="#">NM_016834</a> , <a href="#">NM_016835</a> , <a href="#">NM_016841</a> , <a href="#">NM_173727</a>
UniProt ID:	<a href="#">P10636</a>
Synonyms:	DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU
Summary:	<p>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]</p>



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## Product images:

