

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:

Symbol: Tau 4137 Locus ID:

KN213312G1, Tau gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN213312G2, Tau gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN213312BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001123066, NM 001123067, NM 001203251, NM 001203252, NM 005910, NM 016834,

NM 016835, NM 016841, NM 173727

UniProt ID: P10636

Synonyms: DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU

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]



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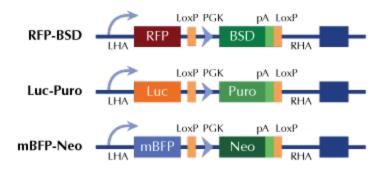
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Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter