

## Product datasheet for KN318458BN

# **Tuba1a Mouse 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 Tuba1a Symbol: 22142 Locus ID:

KN318458G1, Tuba1a gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN318458G2, Tuba1a gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN318458BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

> designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: NM 011653

**UniProt ID:** P68369

Synonyms: Tuba-1; Tuba1

**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.

[UniProtKB/Swiss-Prot Function]



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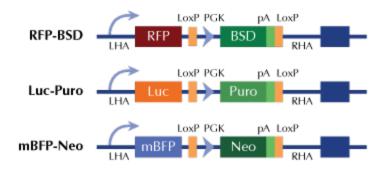
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# **Product images:**

### Donor Vector Edited Chromosome



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