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OriGene Technologies, Inc.

Product datasheet for KN318458LP

Tuba1a Mouse Gene Knockout Kit (CRISPR)

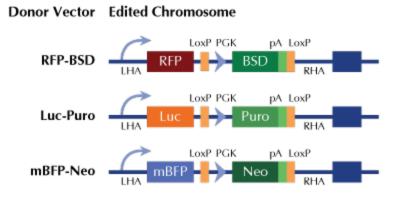
Product data:

| Product Type: | Knockout Kits (CRISPR) |
|---------------|---|
| Format: | 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control |
| Donor DNA: | Luciferase-Puro |
| Symbol: | Tuba1a |
| Locus ID: | 22142 |
| Components: | KN318458G1, Tuba1a gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN318458G2, Tuba1a gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN318458LPD, donor DNA containing left and right homologous arms and Luciferase-Puro 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: | <u>NM 011653</u> |
| UniProt ID: | <u>P68369</u> |
| 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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Product images:



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

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