

# Product datasheet for KN303310RB

## **Chrna7 Mouse Gene Knockout Kit (CRISPR)**

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA:** Chrna7 Symbol: Locus ID: 11441

KN303310G1, Chrna7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN303310G2, Chrna7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN303310RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 007390

**UniProt ID:** P49582

Synonyms: Acra7; alpha7; nAchR

Summary: After binding acetylcholine, the AChR responds by an extensive change in conformation that

> affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is blocked by alpha-bungarotoxin.[UniProtKB/Swiss-Prot Function]



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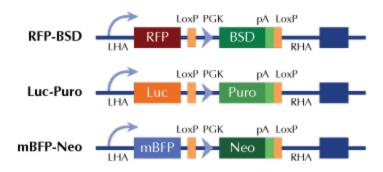
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# **Product images:**

### Donor Vector Edited Chromosome



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