

## Product datasheet for KN204868RB

# **CHRNA6 Human Gene Knockout Kit (CRISPR)**

**Product data:** 

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

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

**Donor DNA:** Symbol: CHRNA6 8973 Locus ID:

**KN204868G1**, CHRNA6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN204868G2, CHRNA6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204868RBD, 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 001199279, NM 004198

**UniProt ID:** Q15825 Synonyms: CHNRA6

Summary: This gene encodes an alpha subunit of neuronal nicotinic acetylcholine receptors. These

receptors consist of five subunits and function as ion channels involved in

neurotransmission. The encoded protein is a subunit of neuronal nicotinic acetylcholine receptors that mediate dopaminergic neurotransmission and are activated by acetylcholine and exogenous nicotine. Alternatively spliced transcript variants have been observed for this gene. Single nucleotide polymorphisms in this gene have been associated with both nicotine

and alcohol dependence. [provided by RefSeq, Dec 2010]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

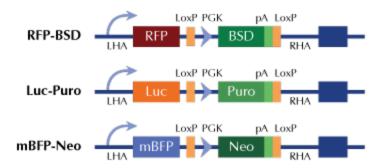
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



## **Product images:**

### Donor Vector Edited Chromosome



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