

## 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:	RFP-BSD
Symbol:	CHRNA6
Locus ID:	8973
Components:	<b>KN204868G1</b> , CHRNA6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN204868G2</b> , CHRNA6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN204868RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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]



[View online »](#)

## Product images:

