

Product datasheet for **KN207623LP**

CHRFAM7A Human 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:	CHRFAM7A
Locus ID:	89832
Components:	<p>KN207623G1, CHRFAM7A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN207623G2, CHRFAM7A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN207623LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u>NM_139320</u> , <u>NM_148911</u>
UniProt ID:	<u>P36544</u>
Synonyms:	CHRNA7; CHRNA7-DR1; D-10
Summary:	<p>The nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The family member CHRNA7, which is located on chromosome 15 in a region associated with several neuropsychiatric disorders, is partially duplicated and forms a hybrid with a novel gene from the family with sequence similarity 7 (FAM7A). Alternative splicing has been observed, and two variants exist, for this hybrid gene. The N-terminally truncated products predicted by the largest open reading frames for each variant would lack the majority of the neurotransmitter-gated ion-channel ligand binding domain but retain the transmembrane region that forms the ion channel. Although current evidence supports transcription of this hybrid gene, translation of the nicotinic acetylcholine receptor-like protein-encoding open reading frames has not been confirmed. [provided by RefSeq, Jul 2008]</p>



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Product images:

