

## Product datasheet for **KN220548**

### Neurotensin Receptor 1 (NTSR1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Neurotensin Receptor 1
Locus ID:	4923
Components:	<p><b>KN220548G1</b>, Neurotensin Receptor 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTCGGCGGCCGGCGTGCCCCG</p> <p><b>KN220548G2</b>, Neurotensin Receptor 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCAGTCCGGCCTGCGCCCCG</p> <p><b>KN220548D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

#### Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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 ACTGCGGCCA ACTTACTTCT GACAACGATC GGAGGACCGA AGGAGCTAAC CGCTTTTTTG CACAACATGG  
 GGGATCATGT AACTCGCCTT

**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\\_002531](#)

**UniProt ID:**

[P30989](#)

**Synonyms:**

NTR

**Summary:**

Neurotensin receptor 1 belongs to the large superfamily of G-protein coupled receptors. NTSR1 mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. [provided by RefSeq, Jul 2008]

Product images:

