

## Product datasheet for **KN207015**

### NR2E1 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:** NR2E1  
**Locus ID:** 7101  
**Components:** **KN207015G1**, NR2E1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TACCCACTTGTTGATCCGGC  
**KN207015G2**, NR2E1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGC GCGCCTAGGCCCCACGG  
**KN207015D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

**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\\_001286102](#), [NM\\_003269](#)

**UniProt ID:**

[Q9Y466](#)

**Synonyms:**

TLL; TLX; XTLL

**Summary:**

The protein encoded by this gene is an orphan receptor involved in retinal development. The encoded protein also regulates adult neural stem cell proliferation and may be involved in control of aggressive behavior. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]

Product images:

