

## Product datasheet for **KN215375RB**

### LMX1A 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:	LMX1A
Locus ID:	4009
Components:	<b>KN215375G1</b> , LMX1A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN215375G2</b> , LMX1A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN215375RBD</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\\_001033507](#), [NM\\_001174069](#), [NM\\_177398](#), [NM\\_177399](#)

**UniProt ID:** [Q8TE12](#)

**Synonyms:** dr; dreher; LIM homeobox transcription factor 1 alpha; LMX-1; LMX1; LMX1.1; Lmx1.1; MGC87616; MGC129356; MGC129357; OTTMUSP00000022889; OTTMUSP00000022890; shaker short-tail; sst

**Summary:** This gene encodes a homeodomain and LIM-domain containing protein. The encoded protein is a transcription factor that acts as a positive regulator of insulin gene transcription. This gene also plays a role in the development of dopamine producing neurons during embryogenesis. Mutations in this gene are associated with an increased risk of developing Parkinson's disease. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]



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Product images:

