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# Product datasheet for KN219688

## WNT11 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:** WNT11

**Locus ID:** 7481

**Components:** **KN219688G1**, WNT11 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCCATAGCACACGCCGGTC
**KN219688G2**, WNT11 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAGGCGCTGCTCTTCGCCC
**KN219688D**, 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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CAGCTCCGGT TCCCAACGAT C

**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.

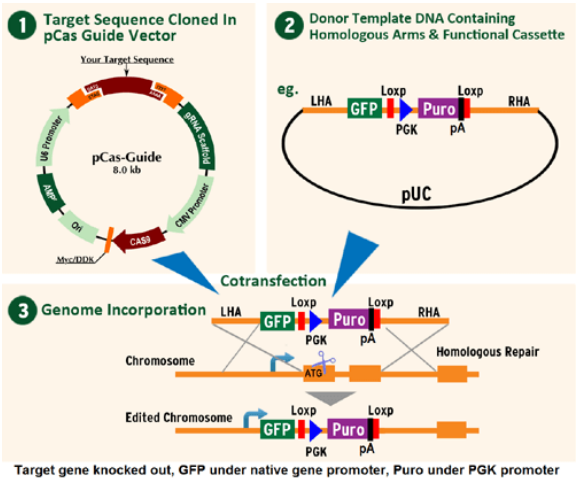
**RefSeq:** NM_004626

**UniProt ID:** O96014

**Synonyms:** HWNT11

**Summary:** The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 97%, 85%, and 63% amino acid identity with mouse, chicken, and Xenopus Wnt11 protein, respectively. This gene may play roles in the development of skeleton, kidney and lung, and is considered to be a plausible candidate gene for High Bone Mass Syndrome. [provided by RefSeq, Jul 2008]

## Product images:




Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter