

Product datasheet for KN308170BN

Product datasneet for kinsus 170Bit

Igf1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: lgf1

Locus ID: 16000

Components: KN308170G1, Igf1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN308170G2, Igf1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN308170BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

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 001111274, NM 001111275, NM 001111276, NM 010512, NM 184052

UniProt ID: P05017

Synonyms: C730016P09Rik; lgf-1; lgf-l

Summary: This gene encodes a member of the insulin-like growth factor (IGF) family of proteins that

promote growth and development during fetal and postnatal life. This gene is predominantly expressed in the liver and the encoded protein undergoes proteolytic processing to generate a disulfide-linked mature polypeptide. Transgenic disruption of this gene in mice results in reduced postnatal survival and severe growth retardation. Mice lacking the encoded protein exhibit generalized organ hypoplasia including underdevelopment of the central nervous system and developmental defects in bone, muscle and reproductive systems. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo

similar processing to generate mature protein. [provided by RefSeq, Sep 2015]



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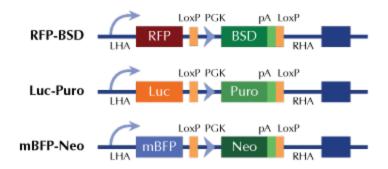
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Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter