

Product datasheet for KN207770LP

OriGene Technologies, Inc.

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LILRB2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: LILRB2 Locus ID: 10288

Components: KN207770G1, LILRB2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207770G2, LILRB2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207770LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001080978, NM 001278403, NM 001278404, NM 001278405, NM 001278406,

NM 005874, NR 103521

Synonyms: CD85D; ILT-4; ILT4; LIR-2; LIR2; MIR-10; MIR10

Summary: This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is

found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple

transcript variants encoding different isoforms have been found for this gene. [provided by

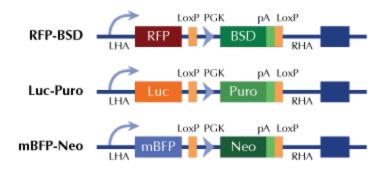
RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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