

## Product datasheet for KN207406LP

#### OriGene Technologies, Inc.

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### **EXTL2 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: EXTL2 Locus ID: 2135

**Components: KN207406G1**, EXTL2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN207406G2**, EXTL2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207406LPD, 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 001033025, NM 001261440, NM 001261441, NM 001261442, NM 001439, NR 048570

UniProt ID: Q9UBQ6
Synonyms: EXTR2

**Summary:** Glycosyltransferase required for the biosynthesis of heparan-sulfate and responsible for the

alternating addition of beta-1-4-linked glucuronic acid (GlcA) and alpha-1-4-linked N-acetylglucosamine (GlcNAc) units to nascent heparan sulfate chains.[UniProtKB/Swiss-Prot

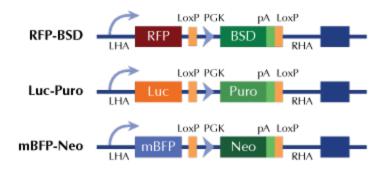
Function1





# **Product images:**

### Donor Vector Edited Chromosome



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