

## **Product datasheet for KN207345BN**

#### OriGene Technologies, Inc.

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### P2RY5 (LPAR6) Human 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: P2RY5 Locus ID: 10161

**Components:** KN207345G1, P2RY5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207345G2, P2RY5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207345BND, 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:** <u>NM 001162497</u>, <u>NM 001162498</u>, <u>NM 005767</u>

UniProt ID: <u>P43657</u>

Synonyms: ARWH1; HYPT8; LAH3; P2RY5; P2Y5

**Summary:** The protein encoded by this gene belongs to the family of G-protein coupled receptors, that

are preferentially activated by adenosine and uridine nucleotides. This gene aligns with an

internal intron of the retinoblastoma susceptibility gene in the reverse orientation.

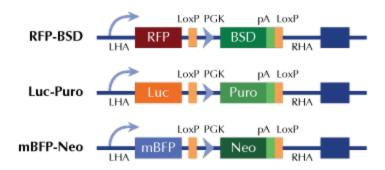
Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009]





# **Product images:**

### Donor Vector Edited Chromosome



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