

Product datasheet for **KN207345**

P2RY5 (LPAR6) 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:	P2RY5
Locus ID:	10161
Components:	<p>KN207345G1, P2RY5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTATGGGTGCATGTTTCAGCA</p> <p>KN207345G2, P2RY5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCCATACAAAGTGTACTTAA</p> <p>KN207345D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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 AACCAGCCAG CCGGAAGGGC CGAGCGCAGA AGTGGTCTG CAACTTTATC GCGCTCCATC CAGTCTATTA
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 AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATC

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_001162497](#), [NM_001162498](#), [NM_005767](#)

UniProt ID:

[P43657](#)

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:

