

## Product datasheet for KN301806LP

### 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

CN: techsupport@origene.cn

OriGene Technologies, Inc.

## Atp6ap2 Mouse 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: Atp6ap2 Locus ID: 70495

**Components: KN301806G1**, Atp6ap2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN301806G2, Atp6ap2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN301806LPD, 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 027439

 UniProt ID:
 Q9CYN9

**Synonyms:** (P)RR; 5730403E06Rik; APT6M8-9; Atp6ip2; ATP6M8-9; M8-9; PRR

**Summary:** Functions as a renin and prorenin cellular receptor. May mediate renin-dependent cellular

responses by activating ERK1 and ERK2. By increasing the catalytic efficiency of renin in AGT/angiotensinogen conversion to angiotensin I, it may also play a role in the renin-

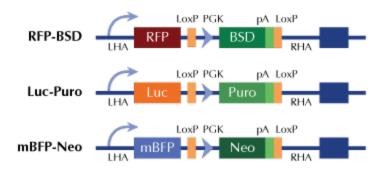
angiotensin system (RAS) (By similarity).[UniProtKB/Swiss-Prot Function]





# **Product images:**

### Donor Vector Edited Chromosome



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