

## Product datasheet for **KN300941LP**

### Adssl1 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:	Adssl1
Locus ID:	11565
Components:	<b>KN300941G1</b> , Adssl1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN300941G2</b> , Adssl1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN300941LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.

Homologous arm and Luciferase-Puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **Luciferase-Puro in green**;

**Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCAATGC
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TCGCCAGTTA ATAGTTTGG CAACGTTGTT GCCATTGCTA CAGGCATCGT GGTGTACCG TCGTCGTTG
GTATGGCTTC ATTCAGCTCC GGTCCCAAC GATC

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**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\\_007421](#)

**UniProt ID:**

[P28650](#)

**Synonyms:**

Adss; Adss1; AI528595

**Summary:**

Component of the purine nucleotide cycle (PNC), which interconverts IMP and AMP to regulate the nucleotide levels in various tissues, and which contributes to glycolysis and ammoniogenesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP. [UniProtKB/Swiss-Prot Function]

**Product images:**
