

Product datasheet for **KN300941BN**

Adssl1 Mouse 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: Adssl1
Locus ID: 11565
Components: **KN300941G1**, Adssl1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN300941G2, Adssl1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN300941BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.

Homologous arm and mBFP-Neo sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **mBFP-Neo in green**; **Right arm in violet**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCAATGC
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 GGTATGGCTT CATTAGCTC CGGTTCCCAA CGATC

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; A1528595

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:

