

Product datasheet for **KN301154**

Alms1 Mouse 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:	Alms1
Locus ID:	236266
Components:	<p>KN301154G1, Alms1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGAGCCTGAGGACCTGCCG</p> <p>KN301154G2, Alms1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGAGGAGGGGAAGAAAGAGG</p> <p>KN301154D, 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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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_145223](#)

UniProt ID:

[Q8K4E0](#)

Synonyms:

bbb

Summary:

Involved in PCM1-dependent intracellular transport. Required, directly or indirectly, for the localization of NCAPD2 to the proximal ends of centrioles. Required for proper formation and/or maintenance of primary cilia (PC), microtubule-based structures that protrude from the surface of epithelial cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

