

Product datasheet for **KN308538**

Jag2 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: Jag2
Locus ID: 16450
Components: **KN308538G1**, Jag2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGGGGACGCCTGCCTCGG
KN308538G2, Jag2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTACTGGTTCTGTGCGTGC
KN308538D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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TGGGGGATCA TGTAACCTCG CTT

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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_010588](#)

UniProt ID:

[Q9QYE5](#)

Synonyms:

D12Ggc2e; mJagged2-1; Serh; sm

Summary:

Putative Notch ligand involved in the mediation of Notch signaling. Plays an essential role during limb, craniofacial and thymic development. May be involved in myogenesis and in the development of peripheral and central nervous systems.[UniProtKB/Swiss-Prot Function]

Product images:

