

Product datasheet for **KN316266**

Slx4 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:	Slx4
Locus ID:	52864
Components:	<p>KN316266G1, Slx4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TAGGGGAGTGAGGACCGACC</p> <p>KN316266G2, Slx4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAAACCGGAAACCTTAAAAAC</p> <p>KN316266D, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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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_177472](#)

UniProt ID:

[Q6P1D7](#)

Synonyms:

AI256635; AI426760; Btd12; D16Bwg1016e

Summary:

This gene encodes a protein containing a BTB (POZ) domain that comprises a subunit of structure-specific endonucleases. The encoded protein aids in the resolution of DNA secondary structures that arise during the processes of DNA repair and recombination. Knock out of this gene in mouse recapitulates the phenotype of the human disease Fanconi anemia, including blood cytopenia and susceptibility to genomic instability. [provided by RefSeq, Dec 2013]

