

## Product datasheet for **KN315645**

### Sf3b4 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:	Sf3b4
Locus ID:	107701
Components:	<p><b>KN315645G1</b>, Sf3b4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCGAACGGAATCAGGGTAAT</p> <p><b>KN315645G2</b>, Sf3b4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTGGAGGGAAGATTAGTGC</p> <p><b>KN315645D</b>, 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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ACCGAGTTGC TCTTGCCCGG CGTCAATACG GGATAATACC GCGCCACATA GCAGAATTTT AAAAGTGCTC
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 GGGCGGTCTG GACGAGAAAG TGAGTGAGCC GCTGCTGTGG GAGCTCTTTC TCCAGGCAGG GCCAGTGGTC  
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GCCTCTTCC GCTTCTCGC TCACTGACTC GCTGCGCTCG GTCGTTTCGG TCGGGCGAGC GGTATCAGCT
CACTCAAAGG CGGTAATACG GTTATCCACA GAATCAGGGG ATAACGCAGG AAAGAACATG TGAGCAAAAAG
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CGAGCATCAC AAAAATCGAC GCTCAAGTCA GAGGTGGCGA AACCCGACAG GACTATAAAG ATACCAGGCG
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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\\_153053](#)

**UniProt ID:**

[Q8QZY9](#)

**Synonyms:**

Sap49; SF3b49; SF3b50

**Summary:**

This gene encodes one of the subunits of splicing factor 3B. A similar gene in human encodes a protein that cross-links to a region in the pre-mRNA immediately upstream of the branchpoint sequence in pre-mRNA in the prespliceosomal complex A. It also may be involved in the assembly of the B, C and E spliceosomal complexes, and also belongs with the minor U12-dependent spliceosome. [provided by RefSeq, May 2015]

Product images:

