

Product datasheet for **KN310510**

Mtss1 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:	Mtss1
Locus ID:	211401
Components:	<p>KN310510G1, Mtss1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AAGGAATGCAGCGCGCTTGG</p> <p>KN310510G2, Mtss1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGACATGAAGGTAGGACGCT</p> <p>KN310510D, 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
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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ATCATTGGAA AACGTTCTTC GGGCGAAAAA CTCTCAAGGA TCTTACCCTG GTTGAGATCC AGTTCGATGT
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 ACTTTATCCG CCTCCATCCA GTCTATTAAT TGTTGCCGGG AAGCTAGAGT AAGTAGTTCG CCAGTTAATA
 GTTTGCGCAA CGTTGTTGCC ATTGCTACAG GCATCGTGGT GTCACGCTCG TCGTTTGTA TGGCTTCATT
 CAGCTCCGGT TCCAACGAT C

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_001146180](#), [NM_144800](#)

UniProt ID:

[Q8R1S4](#)

Synonyms:

2310003N14Rik; BC024131; D130001D01Rik; Mim; mKIAA0429

Summary:

Inhibits the nucleation of actin filaments in vitro.[UniProtKB/Swiss-Prot Function]

Product images:

