

## Product datasheet for **KN219160**

### ST8SIA2 Human 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:	ST8SIA2
Locus ID:	8128
Components:	<p><b>KN219160G1</b>, ST8SIA2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGAGATGTCTGCGAAGATG</p> <p><b>KN219160G2</b>, ST8SIA2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGAGATCGAAGAAGAAATC</p> <p><b>KN219160D</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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CTGGGGGCTG TCCCCAGGTG TTGGTCTTTG TGTCGAGAAA ACTTTGCGAG GAGGCGAGGG AGCTGGACAA
AGAGCGGGCG AGGGAGGGCG TTTGCCAGCC TGAGGGGTGC GCCGGGCGGT GCGCGCACTT CCCTGGGCTC
AGCTCCGTAC CCGGTCGCTC GCGGTGGCCA GAGCCCAGTC TCTCTAGGCC AGGAGTGGCG TCCGGCTGCA
TCCCCGCGCC CTCGGGAGCT GAATAAGCC AGGCGGGAGA AGCAAAGGCT AGCGCTGGA CGCTGGAGTT
GGTGGGAGGA GGCGAGCAGA GGCGCGGAGC AAAGCTGTCA AACTGCGCGC GGAGCCGGGC GCGGGGCGGG
GGAAGGGAGA GGAGGGAGGG AGGGGCAGGC GGGAGCCGGG AGGGAGCGAG CGGGCTCGCC GCGCCTGAGC
AACCCCTGCC TGTCGCTGCC GCTGCCGCTG CCGCTGCCGC CGCCGGCCCG GACTCGTCCG GAGCGCAGGG
TGTCTGCCA GCTGCGCGC GCGCGCGGAG GCTCCGGCGT CCGCCGCTGC GCCCTCCGCG CCCTGCTCCT
CGCGCCGGCC CGCGTGGGTC CCGGCGGGCG CGAACCCACC CCCGTGCCAC GAGCCCTGCG GGGATCTCTC
CCTCCTTCTG TACTCTCCAC CCTCCGACCC CCTTTGTGTG CGCCGCGCCC CGCTGTAGCT CCGCTGGAGA
GATGGGGACG GTTTGGCAGA AGGTGGCGGC GACAGGGGCC CGGGACGTT TGGGGAGAGG AGGGTGGGGG
CGCGGCTGCT GTGGGTGTC CCCGGGCGGG GTTACGCGGA AGCCCCAGC TGGCCCGCTG CGGGAAGCGG
ACTCGCCAC CCTGCCCCC TGCTGGCGT GTCCAAGCGC AGTGTGCGCG GGGTCGAGGG AGGGCGCCGG
GGAGTGTCTC GGGCGGGCGG AGGGGCCGAG AGTGGAGGGA GGCAGGAGTT TCTTTGTCTC CAGCAGGCC
GCTTTCTCGC CTTGCAAAG TGGCAGGGG GCGCGCAGGG ATCTCTGAGC TGGGGGAGGG GTTCCTGGGG
CCGGAGCGGA GGGCGGGGTT CTGCATGGC TACTGGGAG CGGAATGTCC CCTGCACACA CAGACAGGCA
CACGCGCTC CCGCCGGCCC GGGAGCCCG CGTAGGAGT GGCACCACTA GAGAAGGGCT CGCATAGCTG
GACTGAGACC

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**GE100003**, scramble sequence in pCas-Guide vector



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