

Product datasheet for **KN201618**

GATA3 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:	GATA3
Locus ID:	2625
Components:	<p>KN201618G1, GATA3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGACGGCGGACCAGCCGCGC</p> <p>KN201618G2, GATA3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACCACCCCGCCGTGCTCAAC</p> <p>KN201618D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <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</p> <pre> CCAAGTCGTA ACAGTCAGCC CTGGGACTTG CCCTCCAAGT TGCTCAGCCA GCCCCGGCTC CCGCGAGCCG GGCTGCAGGG ACGTCCCCGA GAGCCCTGCG GGCTCCGCGG CCGTGTCCCC GCGCTCCCGT GCGGGTCTCG GGTGCGCTGG GCGGGCGGGC GGCGCGAGGG GAGGTTGTGC CACTCCAGCA ACTCAGGGGC TCATCCAGGT CTCCCATTCT CTCCTTGCA GGTGACCCGA GGAGGGACTC CGCTCCGAG CGGTGAGGA CCCCGGTGCA GAGGAGCCTG GCTCGCAGAA TTGCAGAGTC GTCGCCCTT TTTACAACCT GGTCCCCTTT TATTCTGCCG TACCCAGTTT TTGGATTTTT GTCTTCCCT TCTTCTCTTT GCTAAACGAC CCCTCCAAGA TAATTTTTAA AAAACCTTCT CCTTGCTCA CCTTGCTTC CCAGCCTCC CATCCCCCA CCGAAAGCAA ATCATTCAAC GACCCCGAC CCTCCGACGG CAGGAGCCCC CCGACCTCCC AGGCGGACCG CCCTCCCTCC CCGCGCGCGG GTTCCGGGCC CGGCGAGAGG GCGCGAGCAC AGCCGAGGCC CCTACATGGA CGCGGCGCAG TACCCGCTGC CGGAGGAGGT GGATGTGCTT TTTAACATCG ACGGTCAAGG CAACCACGTC CCGCCCTACT ACGGAAACTC GGTCAGGGCC ACGGTGCAGA GGTACCCTCC GACCCACCAC GGTGAGTGCG CCCGGGGTGC GCGGGCTCCC GCCGGCCGCT TCAGCCGTCC CGGCTCGGG AGGTCCGGAG GGACCTGAGG GCGGGGAGAG GTCAAGCGAA AGCCCCATC TGCGTTCCT GGTTCATTTA CAAAAAATT GGGGCCGGA AATGGGGCAG GAAGGCCTCT GGCTCGTGC GAGAGTGTGT TTTGAAAGAG TCGCAGCAGG CGCCTCTCCC GGCTGTTGTC CCTGGGCCT GGCGCTACC TGGCGGGCGC CAGGCCGAG CCCTCCGTCT CTGCGCGGCT GCAGGTTTTG GGTGGGGGG TCTCGGGATG TCCCAAGCG CGGGTGCC TGGCTCTGCC TCCGCGGGTC CGGGCTCTCT GGGCCCGTA GCCGGCGCCG GACAAGCAG GCTGGAACCC GGCTCTTCCA AAAACCTGG CGTTCCTGT TACCCGCTAG CTCTTTCTAG </pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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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_001002295](#), [NM_002051](#)

UniProt ID: [P23771](#)

Synonyms: HDR; HDRS

Summary: This gene encodes a protein which belongs to the GATA family of transcription factors. The protein contains two GATA-type zinc fingers and is an important regulator of T-cell development and plays an important role in endothelial cell biology. Defects in this gene are the cause of hypoparathyroidism with sensorineural deafness and renal dysplasia. [provided by RefSeq, Nov 2009]

Product images:

