

Product datasheet for **KN308333**

Inhbb 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:	Inhbb
Locus ID:	16324
Components:	<p>KN308333G1, Inhbb gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGGACACCTGTACGTCGTG</p> <p>KN308333G2, Inhbb gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTGGACGGTGACTTCCTGG</p> <p>KN308333D, 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> GCCCATCACC GCCGCTGCCT CGGGCGGCCG TGTCTCGCT GCGAGCAGCG ACAGGGCGAG GCGCTCAGGT GCGGTCGCGG GGCCCCAGCC GCAGCGCCCT CCGCAGCGCC GCGCCCGGGG TCTCCGGCAC CTTTCGTTCA GTCTCCAGAG CCACTTGCGC CCGCTGCCGC CTCTTCCTC CACCTTTCCA GCCCGGCCGA GCCAAGCCAC CGTGCCAGCA CCGCTGCTGC CGCTCCTCGC TTTCGCTTCA CCCCAGTCAG GGGGCTGCGG TGGCCCTCGA CGCGGAGAGG ATGGGCAGGC TGCAGATGCC TAGGCGCCCC GAGTCGTCAG CCGCCACTG ACCCGGCGGT CCCCCCCACC CCCTCACCGC CAGCCCGCGT TCCCTTCTGG TCCCCGCGGC GCCCCTTCTC GGCCCGCGCGG GAACCCCGC GGCCCGGCCG GCCCCCTCCC CCGCGAGCC GCGGGCGGCG CTCCCGGCAG GCGGGCGGGC GGAGGCCCGG GCGGGGGCGG GCGGGGGCGG TCGCGCCAGA GCCCGGAGCC CGGCCCTGAG CTCGCTTCGC CTCGCCTCGC GCGGGGCGCC CTCGTCGCCA GCGGCGCACC GGCCCAACAT CACGCACGCT GTCCCCAAGG CCGCCATGGT CACGGCCCTG CGCAAGCTGC ACGCCGGCAA GGTGCGCGAG GACGGCCGCG TGGAGATCCC GCACCTCGAC GGCCACGCCA GCCCGGGCGC CGACGGCCAG GAGCGCGTCT CCGAGATCAT CAGCTTTGCA GAGACAGGTG GGTTCCGCCA CAGGGAAGCC AGAGGCGGCC GCGATCCCTC CCTTTTTCT TCTCCTAGGA AGCCCTGCTG CTTTACCAGC CTCTGCAGCC CGCACGCCCC GAGGGCATT T AGGCTCCGGG CAGAGACGTT CTGCGGTGGC CTTGCGCGCT TCCAGGGTG GCAGTCCTT TCTATACTGC GCGCCAGAC TACAGATCCT TTGCGGCTTC CTTTCCCTG CAGCAACTGG GAAGCACCTT GCCCTTATC CTGGCTCACG GGAATTGGGC CCCAGCGCCT CTGGGCGCGC GTCCTCCCTC CGGCAGATGC GCGCAGCCCT GGCTCTGCGG GCACTTGCTT AGTGATTGCT TAATGTTTTT GTTTCCACG ATCCGAGTGT AGGCTTAGCA GTGTAGAGAT GGAGATGTGT GTGCTTGTG </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_008381](#)

UniProt ID:

[Q04999](#)

Summary:

This gene encodes a member of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate a subunit of the dimeric activin and inhibin protein complexes. These complexes activate and inhibit, respectively, follicle stimulating hormone secretion from the pituitary gland. Homozygous knockout mice for this gene exhibit eyelid defects. [provided by RefSeq, Aug 2016]

Product images:
