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# Product datasheet for KN209061

## c-Myb (MYB) 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:** c-Myb

**Locus ID:** 4602

**Components:** **KN209061G1**, c-Myb gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGACCCCGGCACAGGTAACG
**KN209061G2**, c-Myb gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTCCCCGTTACCTGTGCCG
**KN209061D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
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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AGAAGTAAGT TGGCCGCAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

**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.

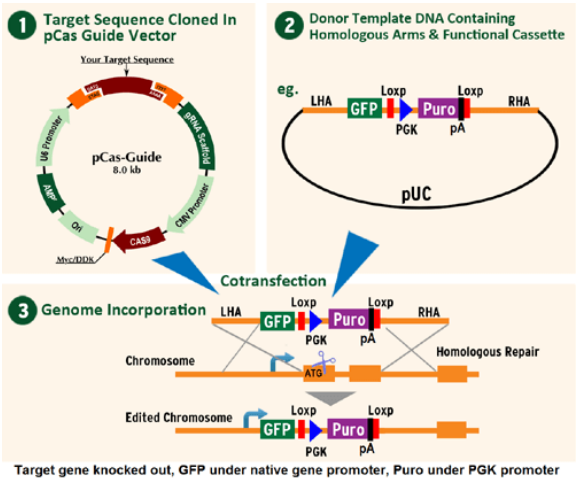
**RefSeq:** NM_001130172, NM_001130173, NM_001161656, NM_001161657, NM_001161658, NM_001161659, NM_001161660, NM_005375, NR_134958, NR_134959, NR_134960, NR_134961, NR_134962, NR_134963, NR_134964, NR_134965

**UniProt ID:** P10242

**Synonyms:** c-myb; c-myb_CDS; Cmyb; efg

**Summary:** This gene encodes a protein with three HTH DNA-binding domains that functions as a transcription regulator. This protein plays an essential role in the regulation of hematopoiesis. This gene may be aberrently expressed or rearranged or undergo translocation in leukemias and lymphomas, and is considered to be an oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

## Product images:




Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter