

Product datasheet for **KN205500**

RBJ (DNAJC27) 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: RBJ
Locus ID: 51277
Components: **KN205500G1**, RBJ gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCCTTCCGCTTCGGCATGT
KN205500G2, RBJ gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCATGGGCAACGCCGAAG
KN205500D, 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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TCCAGAACCA GGGTTCCGAC CTCCCCACTT TCCTGGCTTT GGGGTCTGCC TCTCGGGGAT CTCGAGCAAG
GGGAACAAAA TATTGGAGGG GGAAGAGGAG CAGCAGCCCG GCCCATGGAA CCGAAAAAGA ATCCAGAAAA
AAAAAAAAAC ACTCCAAAC GGACGAGACA CTACCAGACC CGCCCTGAAG AGCCAATACA TTTCCACCAC
TCGGCTGCGA AAGCAACAAA CGCCTCCCGT CCGGGCGTCC CTGAAAACAA GGACGCGCTC ACCTCGAAGG
GTA AACCCAG CCGCCCCCA ACGCCGCCTT CCCGTCAGGG GACGAGGCCT TAGAAACTCG GTA AACTGCAG
TCGCGTCTCC AGGGCTGCA GATGACGTCA GCAGCCCGC GCTAGCATCG CGAGACTCCC GTCTCCCTCC
CCCGGCTCCC CACGCTCCA ACCGCCGCG CCTGCTGCCA GGCAGCGGCG GGGATGGCGA GCAGCGGAGG
CGAGGCGGTG ACGAGAGCAG CGGCTCCGCC ATTGGACGAG GAGGCCTGAG GGACGGGCCA GCGGTGCACA
AGAAGAGACC GAGGCGGGTG GCCCCGAGAG AGCCAGGGCC TGGGAAAAGT GAGTACACG AGCCGGGAGG
GGCGGGCCCC AGCGTGGCGG GGCACGTGT CCATTGGCTG GAAGGGCGGC CACTCAACAG CCTGGGCCCC
GGCCTCTCT CCGCCCCGA GCAGGCCCGG GTCTCAGCCG AGGGGTGCGG CTCCGGAAC GAAACTCCCC
GACCTTTTGG ACCTTCCGT TGCCCCCTCG TCCTCCGACG TCACTCTTCC GGAGATGGTG TCTGGGGTGG
CCTCTAAGCC TTGAATGTAC CCCAAAAGA GTAAGAAGC CTGGGTCCCC ATGAGGGGCC GTCGGCCTAG
ATACCTTGCC CGGTTCTAG GGGCCGTC GGGACCGGGA GATGGAGGAT GAAAGTTTAG TTCCCCAGC
CGGGCCTGGG AGCCGGCGGA ACGTTATGGG GTGCGTGTGA GAATTTGGG TTCGCGAAAT GGTGCCCGGC
AGCCCAGATT CTGATTCCC GTCACGAGAG AGCGTAACTG ACGTTGACGT GTTTCACAGG GGAGGTGCAA
GGGATGGCCG GGGTCCGCGC TGTTTTGTTT TGCGTTGTGT TTTATTTTGG GTGGTGTCCC CATATCTGTT
AGTTCCACCG
```

GE100003, scramble sequence in pCas-Guide vector



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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_001198559](#), [NM_016544](#)

UniProt ID: [Q9NZQ0](#)

Synonyms: RabJS; RBJ

Summary: GTPase which can activate the MEK/ERK pathway and induce cell transformation when overexpressed. May act as a nuclear scaffold for MAPK1, probably by association with MAPK1 nuclear export signal leading to enhanced ERK1/ERK2 signaling.[UniProtKB/Swiss-Prot Function]

Product images:

