

Product datasheet for **KN201231**

CD7 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:	CD7
Locus ID:	924
Components:	<p>KN201231G1, CD7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGCGAGCCAGCGCCAGAAGC</p> <p>KN201231G2, CD7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCCTGGGAAGCTCTTACCT</p> <p>KN201231D, 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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CCTCCCCT CCAGGACATG GAACGCAGAG CCACGGTCAG CTGGTCGGCT GCAGCGTTGG GTGCGGGTGC
AGGCCAGGC TCCTTCCCA CGGCCAAACC AGGGGTGCC AATTCTGGCC TGCCCTGTGC TCCTCTGCAC
TGTGTGGGTG ACTCATGGT CATGGGTGGC TCCAGATTTT TGGGCATAAA TTGGGTCCCA GCAGAAAGTA
CCCCAGAGGA CCAGGCAGGC TGGGGGCCAG CTCTGCCGCT CACTTCCAGA CCCTGCCACC CGTCCCAGC
CAGGGAGTCC CTTCTCTGTC CTCTGGTCTG CCCC GCCCA GGCCTTGACC TCCTCCCTGT GGAGATGCAG
GGCAGTGGG GGATACAGG ACGCCCTGCT CTCAGGGCAG CTCTCAGGGA GGCAGTGTCT GGGAGGGTA
GGTGAGACCG CCCCTCCAC CGGGCCACA GCACCACCT GGTCTGAGGC ACCGCTCCA GGAAGCCCTC
TCTGAGCTCT GAGCGCTGC GGTCTCTGT GTGCTGCTCT CTGTGGGTC CTGTAGACCC AGAGAGGCTC
AGCTGCACTC GCCCGCTGG GAGAGCTGGG TGTGGGAAC AGAGCCCCA GTCTGAGCCA CAGCACAGCC
CCCAGGAAGC GGGTGGGTG CTGAGCGGCC TCCAGTGTCT GAGGACTCAT TTAAGAGAAG GAAAAAGGT
GGACCCCGT GGGGAGTGGC CGGGCTGTC CAGGCAGGC CGCTGCTTTG GGAGGAAGAA GCCACAGTC
TCGGAACACG AGGACAGCAC CTCCTAAC ACCACAGCCG GTGCCAGAT CTGCTCCATG CCCCCTAAGG
CACCGTGTCT TTGGCAGAT GTCAGCCCTG GGCTGTCTCA GGGCCCCACC ATCCCCACCA CTGTCCCTG
CAGGGAGGAC ATTCTCTGTC CTTCTGGCCA GACTGATGGT GACAGCCAG GCCTCCCA GAGGTGCAGC
AGTCTCCCA CTGCACGACT GTCCCCGTGG GAGCCTCGT CAACATCACC TGCTCCACCA GCGGGGCTC
GCGTGGGATC TACCTGAGGC AGCTCGGCC ACAGCCCCA GACATCATT ACTACGAGGA CGGGGTGGT
CCCACTACG ACAGACGGT CCGGGGCCG ATCGACTTCT CAGGTCCCA GGACAACCTG ACTATCACCA
TGCACCGCT

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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_006137](#)

UniProt ID: [P09564](#)

Synonyms: GP40; LEU-9; Tp40; TP41

Summary: This gene encodes a transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. [provided by RefSeq, Jul 2008]

Product images:

