

## Product datasheet for **KN209996**

### CRTAM 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:** CRTAM  
**Locus ID:** 56253  
**Components:** **KN209996G1**, CRTAM gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTAAGTCCTTACCTTGCAAG  
**KN209996G2**, CRTAM gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTGGAGAGTTCTCAGCTTGC  
**KN209996D**, 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 TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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CCAGTTAATA GTTTGCGCAA CGTTGTTGCC ATTGCTACAG GCATCGTGGT GTCACGCTCG TCGTTTGGA
TGCTTCATT CAGCTCCGGT TCCCAACGAT C

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**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\\_001304782](#), [NM\\_019604](#)

**UniProt ID:**

[O95727](#)

**Synonyms:**

CD355

**Summary:**

The CRTAM gene is upregulated in CD4 (see MIM 186940)-positive and CD8 (see CD8A; MIM 186910)-positive T cells and encodes a type I transmembrane protein with V and C1-like Ig domains (Yeh et al., 2008 [PubMed 18329370]).[supplied by OMIM, Feb 2009]

Product images:

