

## Product datasheet for **KN202454RB**

### CEACAM6 Human Gene Knockout Kit (CRISPR)

#### Product data:

|               |                                                                                                                                                                                                                                                                                                                                               |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Knockout Kits (CRISPR)                                                                                                                                                                                                                                                                                                                        |
| Format:       | 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control                                                                                                                                                                                                                                                                                           |
| Donor DNA:    | RFP-BSD                                                                                                                                                                                                                                                                                                                                       |
| Symbol:       | CEACAM6                                                                                                                                                                                                                                                                                                                                       |
| Locus ID:     | 4680                                                                                                                                                                                                                                                                                                                                          |
| Components:   | <b>KN202454G1</b> , CEACAM6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN202454G2</b> , CEACAM6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN202454RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette.<br><b>GE100003</b> , 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\\_002483](#)

**UniProt ID:** [P40199](#)

**Synonyms:** CD66c; CEAL; NCA

**Summary:** This gene encodes a protein that belongs to the carcinoembryonic antigen (CEA) family whose members are glycosyl phosphatidyl inositol (GPI) anchored cell surface glycoproteins. Members of this family play a role in cell adhesion and are widely used as tumor markers in serum immunoassay determinations of carcinoma. This gene affects the sensitivity of tumor cells to adenovirus infection. The protein encoded by this gene acts as a receptor for adherent-invasive E. coli adhesion to the surface of ileal epithelial cells in patients with Crohn's disease. This gene is clustered with genes and pseudogenes of the cell adhesion molecules subgroup of the CEA family on chromosome 19. [provided by RefSeq, Apr 2014]



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## Product images:

