

## Product datasheet for **KN209570RB**

### Cytokeratin 8 (KRT8) 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:** Cytokeratin 8

**Locus ID:** 3856

**Components:** **KN209570G1**, Cytokeratin 8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)  
**KN209570G2**, Cytokeratin 8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)  
**KN209570RBD**, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.  
**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\\_001256282](#), [NM\\_001256293](#), [NM\\_002273](#), [NR\\_045962](#)

**UniProt ID:** [P05787](#)

**Synonyms:** CARD2; CK-8; CK8; CYK8; K2C8; K8; KO

**Summary:** This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]



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Product images:

