

## Product datasheet for **KN206288BN**

### Ceramide glucosyltransferase (UGCG) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Ceramide glucosyltransferase
Locus ID:	7357
Components:	<b>KN206288G1</b> , Ceramide glucosyltransferase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206288G2</b> , Ceramide glucosyltransferase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206288BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <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\\_003358](#)

**UniProt ID:** [Q16739](#)

**Synonyms:** GCS; GLCT1

**Summary:** This gene encodes an enzyme that catalyzes the first glycosylation step in the biosynthesis of glycosphingolipids, which are membrane components containing lipid and sugar moieties. The product of this reaction is glucosylceramide, which is the core structure of many glycosphingolipids. [provided by RefSeq, Dec 2014]



[View online »](#)

**Product images:**

