

Product datasheet for KN206288LP

OriGene Technologies, Inc.

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

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: Ceramide glucosyltransferase

Locus ID: 7357

Components: KN206288G1, Ceramide glucosyltransferase gRNA vector 1 in pCas-Guide CRISPR vector

(GE100002)

KN206288G2, Ceramide glucosyltransferase gRNA vector 2 in pCas-Guide CRISPR vector

(GE100002)

KN206288LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 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

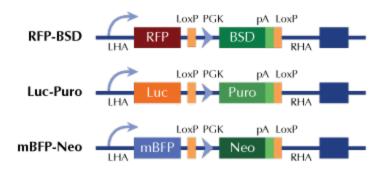
glycosphingolipids. [provided by RefSeq, Dec 2014]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter