

## Product datasheet for KN210442BN

## **UGT8 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

UGT8 Symbol: 7368 Locus ID:

**KN210442G1**, UGT8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

**KN210442G2**, UGT8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN210442BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001128174, NM 001322112, NM 001322113, NM 001322114, NM 003360

**UniProt ID:** Q16880 Synonyms: CGT; UGT4

**Summary:** The protein encoded by this gene belongs to the UDP-glycosyltransferase family. It catalyzes

the transfer of galactose to ceramide, a key enzymatic step in the biosynthesis of

galactocerebrosides, which are abundant sphingolipids of the myelin membrane of the central and peripheral nervous systems. Alternatively spliced transcript variants have been

found for this gene. [provided by RefSeq, Sep 2011]



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# **Product images:**

### Donor Vector Edited Chromosome



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