

Product datasheet for KN210442RB

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UGT8 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: UGT8
Locus ID: 7368

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

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

KN210442RBD, 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 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

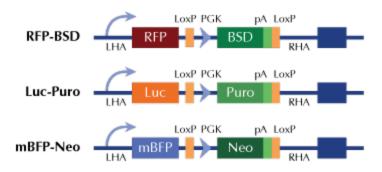
found for this gene. [provided by RefSeq, Sep 2011]





Product images:

Donor Vector Edited Chromosome



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