

Product datasheet for KN216435BN

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UGT2B28 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: UGT2B28
Locus ID: 54490

Components: KN216435G1, UGT2B28 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN216435G2, UGT2B28 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN216435BND, donor DNA containing left and right homologous arms and mBFP-Neo

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: <u>NM 001207004</u>, <u>NM 053039</u>

UniProt ID: Q9BY64

Summary: This gene encodes a member of the uridine diphosphoglucuronosyltransferase protein

family. The encoded enzyme catalyzes the transfer of glucuronic acid from uridine

diphosphoglucuronic acid to a diverse array of substrates including steroid hormones and lipid-soluble drugs. This process, known as glucuronidation, is an intermediate step in the metabolism of steroids. Two transcript variants encoding different isoforms have been found for this gene. While both isoforms are targeted to the endoplasmic reticulum, only the longer

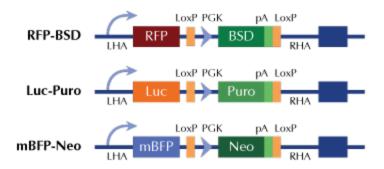
isoform appears to be active. [provided by RefSeq, May 2011]





Product images:

Donor Vector Edited Chromosome



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