

Product datasheet for **KN210442**

UGT8 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	UGT8
Locus ID:	7368
Components:	<p>KN210442G1, UGT8 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGTGCTGTTGGGATAGCGA</p> <p>KN210442G2, UGT8 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGCGGCACGATGATGATTT</p> <p>KN210442D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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:

