

## Product datasheet for **KN203447**

### NGLY1 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:	NGLY1
Locus ID:	55768
Components:	<p><b>KN203447G1</b>, NGLY1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGGACACCATCGTATTCTAC</p> <p><b>KN203447G2</b>, NGLY1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGTGTCCCTTCTCCGACAAA</p> <p><b>KN203447D</b>, 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\\_001145293](#), [NM\\_001145294](#), [NM\\_001145295](#), [NM\\_018297](#)

**UniProt ID:**

[Q96IV0](#)

**Synonyms:**

CDDG; CDG1V; PNG1; PNGase

**Summary:**

This gene encodes an enzyme that catalyzes hydrolysis of an N(4)-(acetyl-beta-D-glucosaminy) asparagine residue to N-acetyl-beta-D-glucosaminyamine and a peptide containing an aspartate residue. The encoded enzyme may play a role in the proteasome-mediated degradation of misfolded glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2009]

Product images:

