

Product datasheet for **KN216942**

Neogenin (NEO1) 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:	Neogenin
Locus ID:	4756
Components:	<p>KN216942G1, Neogenin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGGGGGTGCTGAGGAGTCGC</p> <p>KN216942G2, Neogenin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGCTCGGGCGCCGGGCGCC</p> <p>KN216942D, 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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 AACTGCGGC CAACTTACTT CTGACAACGA TCGGAGGACC GAAGGAGCTA ACCGCTTTTT TGCACAACAT
 GGGGATCAT GTAACCTGCC TT

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_001172623](#), [NM_001172624](#), [NM_002499](#)

UniProt ID:

[Q92859](#)

Synonyms:

IGDCC2; NGN; NTN1R2

Summary:

This gene encodes a cell surface protein that is a member of the immunoglobulin superfamily. The encoded protein consists of four N-terminal immunoglobulin-like domains, six fibronectin type III domains, a transmembrane domain and a C-terminal internal domain that shares homology with the tumor suppressor candidate gene DCC. This protein may be involved in cell growth and differentiation and in cell-cell adhesion. Defects in this gene are associated with cell proliferation in certain cancers. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

Product images:

