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Product datasheet for KN210009

HGD 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: HGD

Locus ID: 3081

Components: **KN210009G1**, HGD gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACCATCTGACAAGTTTGCTA
KN210009G2, HGD gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAAGTTTCTGAGAACTTC
KN210009D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.
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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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.

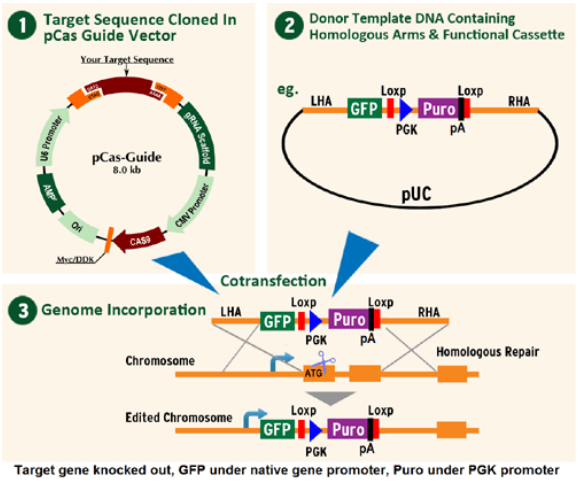
RefSeq: NM_000187

UniProt ID: Q93099

Synonyms: AKU; HGO

Summary: This gene encodes the enzyme homogentisate 1,2 dioxygenase. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria.[provided by RefSeq, May 2010]

Product images:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter