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Product datasheet for KN215289

MERTK 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: MERTK

Locus ID: 10461

Components: **KN215289G1**, MERTK gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCCCCGCGCTCTGGCGTAG
KN215289G2, MERTK gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGGTGAGTGCGCCCGGCTG
KN215289D, 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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TCAGCTCCGG TTCCCAACGA TC

GE100003, scramble sequence in pCas-Guide vector

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RefSeq: NM_006343

UniProt ID: Q12866

Synonyms: c-mer; MER; RP38

Summary: This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq, Jul 2008]

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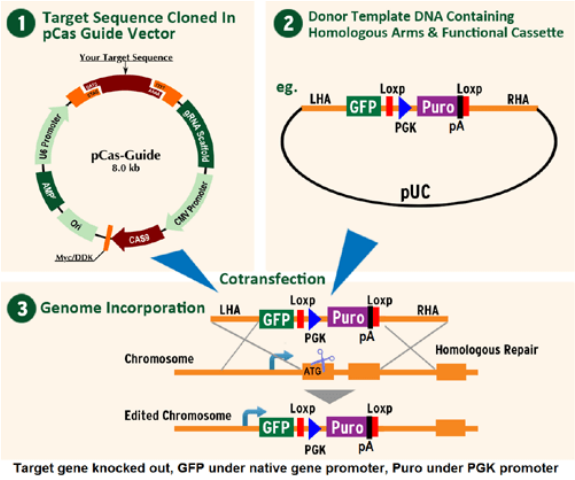

Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter

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