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Product datasheet for KN207749

SNPH 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: SNPH

Locus ID: 9751

Components: **KN207749G1**, SNPH gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGACCTCTGCTGGATCACGC
KN207749G2, SNPH gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTCACAGCCTAGGCTTCGG
KN207749D, 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

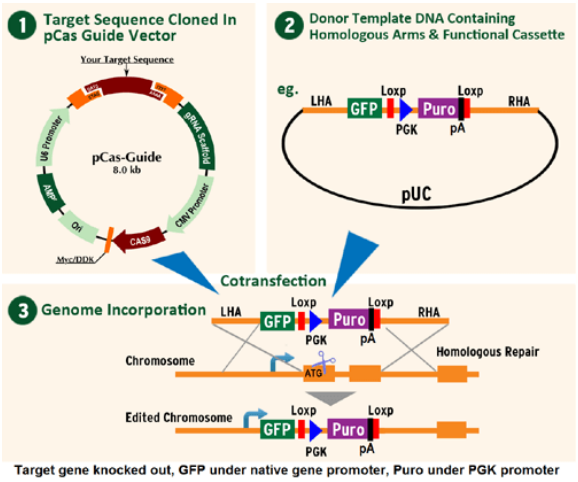
Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: NM_001318234, NM_014723

UniProt ID: O15079

Summary: Syntaxin-1, synaptobrevin/VAMP, and SNAP25 interact to form the SNARE complex, which is required for synaptic vesicle docking and fusion. The protein encoded by this gene is membrane-associated and inhibits SNARE complex formation by binding free syntaxin-1. Expression of this gene appears to be brain-specific. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

Product images:



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