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Product datasheet for KN204823

MIRO2 (RHOT2) 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: MIRO2

Locus ID: 89941

Components: **KN204823G1**, MIRO2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCGGAGCTGCGGCGGCCGTG
KN204823G2, MIRO2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAGGGTAGGCGCCGGCCCG
KN204823D, 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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GGGATCATGT AACTCGCCTT

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.

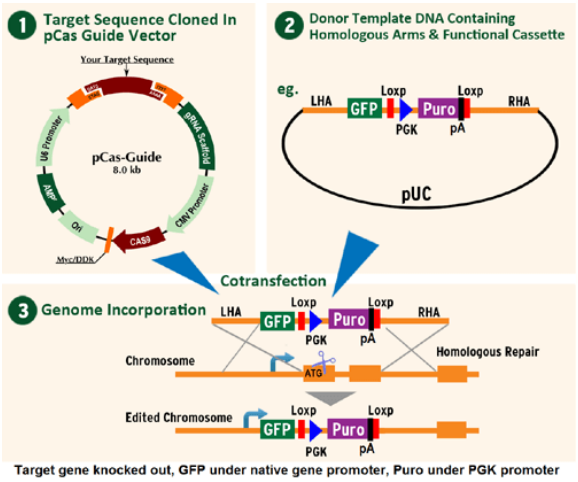
RefSeq: NM_138769, NM_001352275, NM_001352276, NM_001352277, NM_001352278, NM_001352279, NM_001352280, NM_001352281, NM_001352282, NM_001352283, NM_001352284, NM_001352285, NM_001352286, NM_001352287, NM_001352288, NM_001352289, NM_001352290, NM_001352291, NM_001352292, NM_001352293, NM_001352294, NR_147953, NR_147954, NR_147955, NR_147956

UniProt ID: Q8IXI1

Synonyms: ARHT2; C16orf39; MIRO-2; MIRO2; RASL

Summary: This gene encodes a member of the Rho family of GTPases. The encoded protein is localized to the outer mitochondrial membrane and plays a role in mitochondrial trafficking and fusion-fission dynamics. [provided by RefSeq, Nov 2011]

Product images:



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