

# Product datasheet for KN209190LP

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## MIRO1 (RHOT1) Human Gene Knockout Kit (CRISPR)

#### **Product data:**

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

**Donor DNA:** Luciferase-Puro

Symbol: MIRO1 Locus ID: 55288

**Components:** KN209190G1, MIRO1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN209190G2**, MIRO1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209190LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

**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 001033566, NM 001033567, NM 001033568, NM 001288754, NM 001288755,

NM 001288758, NM 018307, NR 110083

UniProt ID: Q8IXI2

Synonyms: ARHT1; MIRO-1; MIRO1

**Summary:** Mitochondrial GTPase involved in mitochondrial trafficking. Probably involved in control of

anterograde transport of mitochondria and their subcellular distribution.[UniProtKB/Swiss-

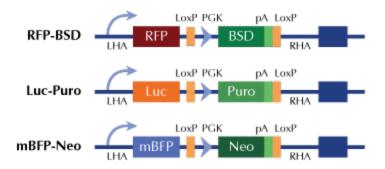
Prot Function1





# **Product images:**

## Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter