

## Product datasheet for **KN203303**

### RHOA 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:	RHOA
Locus ID:	387
Components:	<p><b>KN203303G1</b>, RHOA gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGAAGAACTGGTGATTGT</p> <p><b>KN203303G2</b>, RHOA gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTTGCTCATAGTCTTCAGCA</p> <p><b>KN203303D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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\\_001313941](#), [NM\\_001313943](#), [NM\\_001313944](#), [NM\\_001313945](#), [NM\\_001313946](#), [NM\\_001313947](#), [NM\\_001664](#)

**UniProt ID:**

[P61586](#)

**Synonyms:**

ARH12; ARHA; RHO12; RHOH12

**Summary:**

This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015]

Product images:

