

## Product datasheet for KN205505RB

# **RAB18 Human Gene Knockout Kit (CRISPR)**

**Product data:** 

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

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA:** Symbol: RAB18 Locus ID: 22931

**KN205505G1**, RAB18 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN205505G2, RAB18 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN205505RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001256410, NM 001256411, NM 001256412, NM 001256415, NM 021252, NR 046172,

N56901

**UniProt ID:** Q9NP72

RAB18LI1: WARBM3 Synonyms:

**Summary:** The protein encoded by this gene is a member of a family of Ras-related small GTPases that

> regulate membrane trafficking in organelles and transport vesicles. Knockdown studies is zebrafish suggest that this protein may have a role in eye and brain development. Mutations

in this gene are associated with Warburg micro syndrome type 3. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]



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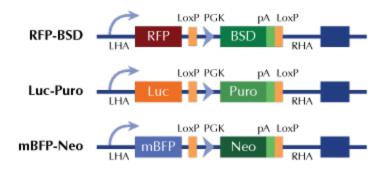
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### **Product images:**

#### Donor Vector Edited Chromosome



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