

Product datasheet for **KN205505**

RAB18 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: RAB18
Locus ID: 22931
Components: **KN205505G1**, RAB18 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAGGTGCGGGTCGTGACGA
KN205505G2, RAB18 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCAAGTCCAGGTGAGGCGG
KN205505D, 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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 GGGGATCATG TAACTCGCCT T

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](#)

Synonyms:

RAB18L11; WARBM3

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 in 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]

Product images:

