

Product datasheet for **KN214471**

FAM82A1 (RMDN2) 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: FAM82A1
Locus ID: 151393
Components: **KN214471G1**, FAM82A1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGATGAAGCACAATCTCTC
KN214471G2, FAM82A1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTGAATATCTGGACAGTCC
KN214471D, 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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
CATCCGTAAG ATGCTTTTCT GTGACTGGTG AGTACTCAAC CAAGTCATTC TGAGAATAGT GTATGCCGGC
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 AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATC

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_001170791](#), [NM_001170792](#), [NM_001170793](#), [NM_001322211](#), [NM_001322212](#), [NM_144713](#)

UniProt ID:

[Q96LZ7](#)

Synonyms:

BLOCK18; FAM82A; FAM82A1; PRO34163; PYST9371; RMD-2; RMD2; RMD4

Product images:

