

Product datasheet for **KN207945**

FAM20C 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:	FAM20C
Locus ID:	56975
Components:	<p>KN207945G1, FAM20C gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCAGGATGAGCACGCGGAAC</p> <p>KN207945G2, FAM20C gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGGGCGATGTGCAGCGCGC</p> <p>KN207945D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 GTTTGCGCAA CGTTGTTGCC ATTGCTACAG GCATCGTGGT GTCACGCTCG TCGTTTGTA TGGCTTCATT
 CAGCTCCGGT TCCCAACGAT C

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_020223](#)

UniProt ID:

[Q8IXL6](#)

Synonyms:

DMP-4; DMP4; G-CK; GEF-CK; RNS

Summary:

This gene encodes a member of the family of secreted protein kinases. The encoded protein binds calcium and phosphorylates proteins involved in bone mineralization. Mutations in this gene are associated with the autosomal recessive disorder Raine syndrome. [provided by RefSeq, Apr 2014]

Product images:

