

Product datasheet for **KN200626**

Pirin (PIR) Human Gene Knockout Kit (CRISPR)

Product data:

Product Knockout Kits (CRISPR)

Type:

Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

Donor DNA: GFP-puro

Symbol: Pirin

Locus ID: 8544

Components: **KN200626G1**, Pirin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCAGCCGGGAGCAG
KN200626G2, Pirin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGAAGCATTGGCA
KN200626D, 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**

AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC AGAAGTAAGT TGGCCGCAGT GTTATC

CCGATactagcatggagagcgacgagagcgccctgcccgccatggagatcgagtgccgcatcaccggcaccctgaacggcgtggagttcgagctggtggcgccg

GCTCCTTGTT TTCTTTTCAG AAGGGACTGG TGGGATGTTG ATGGTGATT TGGGAAGAGG GGGCCAAGAT AGTCGTGAGC TGGCCTGTGG AGTGCA

GE100003, scramble sequence in pCas-Guide vector

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RefSeq: [NM_001018109](#), [NM_003662](#)

UniProt ID: [O00625](#)

Synonyms: OTTHUMP00000022961; OTTHUMP00000022962; pirin; pirin (iron-binding nuclear protein)

Summary: This gene encodes a member of the cupin superfamily. The encoded protein is an Fe(II)-containing nuclear protein



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