

Product datasheet for **KN206838RB**

NEI3 (NEIL3) 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: RFP-BSD

Symbol: NEI3

Locus ID: 55247

Components: **KN206838G1**, NEI3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN206838G2, NEI3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN206838RBD, 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_018248](#)

UniProt ID: [Q8TAT5](#)

Synonyms: FPG2; FPG2; hFPG2; hNEI3; NEI3; ZGRF3

Summary: NEIL3 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226]).[supplied by OMIM, Mar 2008]



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Product images:

