

Product datasheet for **KN201743**

IKK gamma (IKBKG) 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:	IKK gamma
Locus ID:	8517
Components:	<p>KN201743G1, IKK gamma gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCAGCAGATCAGGACGTAC</p> <p>KN201743G2, IKK gamma gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACTGGGCGAAGAGTCTCCTC</p> <p>KN201743D, 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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 AACCAGCCAG CCGGAAGGGC CGAGCGCAGA AGTGGTCTCT CAACTTTATC CGCTCCATC CAGTCTATTA
 ATTGTTGCCG GGAAGCTAGA GTAAGTAGTT CGCCAGTTAA TAGTTTGC GC AACGTTGTTG CCATTGCTAC
 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_001099856](#), [NM_001099857](#), [NM_001145255](#), [NM_001321396](#), [NM_001321397](#), [NM_003639](#)

UniProt ID:

[Q9Y6K9](#)

Synonyms:

AMCBX1; FIP-3; FIP3; Fip3p; IKK-gamma; IKKAP1; IKKG; IMD33; IP; IP1; IP2; IPD2; NEMO; ZC2HC9

Summary:

This gene encodes the regulatory subunit of the inhibitor of kappaB kinase (IKK) complex, which activates NF-kappaB resulting in activation of genes involved in inflammation, immunity, cell survival, and other pathways. Mutations in this gene result in incontinentia pigmenti, hypohidrotic ectodermal dysplasia, and several other types of immunodeficiencies. A pseudogene highly similar to this locus is located in an adjacent region of the X chromosome. [provided by RefSeq, Mar 2016]

Product images:

