

Product datasheet for **KN209597**

IMP3 (IGF2BP3) 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:	IMP3
Locus ID:	10643
Components:	<p>KN209597G1, IMP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGACTGCCCCGGACGAGAGC</p> <p>KN209597G2, IMP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GATACTTTCTAGGTCCGAGG</p> <p>KN209597D, 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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 CTGCGGCCAA CTTACTTCTG ACAACGATCG GAGGACCGAA GGAGCTAACC GCTTTTTTGC ACAACATGGG
 GGATCATGTA ACTCGCCTT

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_006547](#)

UniProt ID:

[O00425](#)

Synonyms:

CT98; IMP-3; IMP3; KOC; KOC1; VICKZ3

Summary:

The protein encoded by this gene is primarily found in the nucleolus, where it can bind to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes. [provided by RefSeq, Jul 2008]

Product images:

