

Product datasheet for **KN216226**

IGF2BP1 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:	IGF2BP1
Locus ID:	10642
Components:	<p>KN216226G1, IGF2BP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGCGTGACCCCCGCGGACT</p> <p>KN216226G2, IGF2BP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGCACAAGATCTCCTACAG</p> <p>KN216226D, 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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 TTTGCGCAAC GTTGTGCCA TTGCTACAGG CATCGTGGTG TCACGCTCGT CGTTTGGTAT GGCTTCATTC
 AGCTCCGGTT CCAACGATC

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_001160423](#), [NM_006546](#)

UniProt ID:

[Q9NZI8](#)

Synonyms:

CRD-BP; CRDBP; IMP-1; IMP1; VICKZ1; ZBP1

Summary:

This gene encodes a member of the insulin-like growth factor 2 mRNA-binding protein family. The protein encoded by this gene contains four K homology domains and two RNA recognition motifs. It functions by binding to the mRNAs of certain genes, including insulin-like growth factor 2, beta-actin and beta-transducin repeat-containing protein, and regulating their translation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

Product images:

