

## Product datasheet for **KN206745**

### Plzf (ZBTB16) 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:** Plzf  
**Locus ID:** 7704  
**Components:** **KN206745G1**, Plzf gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCAGAACCCCTAGCCACCCCA  
**KN206745G2**, Plzf gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGTGCAAGGCCAACCAGATG  
**KN206745D**, 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**

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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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**GE100003**, scramble sequence in pCas-Guide vector

**RefSeq:**

NM\_001018011, NM\_006006, NM\_001354750, NM\_001354751, NM\_001354752

**UniProt ID:**

Q05516

**Synonyms:**

PLZF; ZNF145

**Summary:**

This gene is a member of the Krueppel C2H2-type zinc-finger protein family and encodes a zinc finger transcription factor that contains nine Kruppel-type zinc finger domains at the carboxyl terminus. This protein is located in the nucleus, is involved in cell cycle progression, and interacts with a histone deacetylase. Specific instances of aberrant gene rearrangement at this locus have been associated with acute promyelocytic leukemia (APL). Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]

### Product images:

