

Product datasheet for KN206745BN

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Plzf (ZBTB16) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Plzf Symbol: 7704 Locus ID:

KN206745G1, Plzf gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN206745G2, Plzf gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206745BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 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

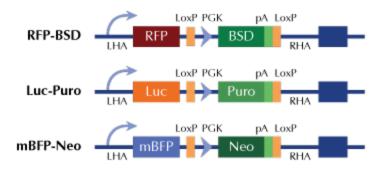
> zinc finger transcription factor that contains nine Kruppel-type zinc finger domains at the carboxyl terminus. This protein is located in the nucleus, is involved in cell cycle progression, and interacts with a histone deacetylase. Specific instances of aberrant gene rearrangement

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:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter