

Product datasheet for KN200819RB

FGFBP1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD FGFBP1 Symbol: 9982 Locus ID:

KN200819G1, FGFBP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN200819G2, FGFBP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200819RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 005130 **UniProt ID:** Q14512

Synonyms: FGF-BP; FGF-BP1; FGFBP; FGFBP-1; HBP17

Summary: This gene encodes a secreted fibroblast growth factor carrier protein. The encoded protein

> plays a critical role in cell proliferation, differentiation and migration by binding to fibroblast growth factors and potentiating their biological effects on target cells. The encoded protein may also play a role in tumor growth as an angiogenic switch molecule, and expression of this gene has been associated with several types of cancer including pancreatic and colorectal adenocarcinoma. A pseudogene of this gene is also located on the short arm of chromosome

4. [provided by RefSeq, Nov 2011]



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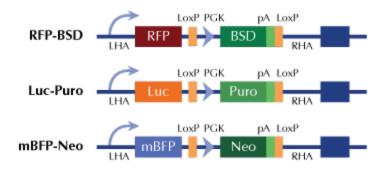
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Product images:

Donor Vector Edited Chromosome



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