

Product datasheet for KN314163BN

Pten Mouse 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

Symbol: Pten Locus ID: 19211

KN314163G1, Pten gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN314163G2, Pten gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN314163BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 008960

UniProt ID: 008586

Synonyms: 2310035O07Rik; A130070J02Rik; Al463227; B430203M17Rik; MMAC1; TEP1

Summary: This gene encodes a phosphatase with dual activity against phospholipids and proteins, and

> acts as a tumor-suppressor. The protein contains four structural domains, a PIP2-binding domain, a catalytic tensin-type phosphatase domain, a C2 tensin-type domain and a PDZbinding domain. The protein belongs to the protein tyrosine phosphatase family. Deletion of this gene in mice contribute to tumorigenesis in multiple tissues. [provided by RefSeq, Sep

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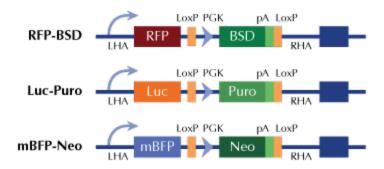
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Product images:

Donor Vector Edited Chromosome



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