

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
Components:	<p>KN314163G1, Pten gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN314163G2, Pten gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN314163BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_008960
UniProt ID:	O08586
Synonyms:	2310035O07Rik; A130070J02Rik; A1463227; B430203M17Rik; MMAC1; TEP1
Summary:	<p>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 PDZ-binding 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 2015]</p>



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Product images:

