

## Product datasheet for **KN206018**

### TPTE Human Gene Knockout Kit (CRISPR)

#### Product data:

**Product** Knockout Kits (CRISPR)

**Type:**

**Format:** 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

**Donor DNA:** GFP-puro

**Symbol:** TPTE

**Locus ID:** 7179

**Components:** **KN206018G1**, TPTE gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTGAGAGAAGTGTG  
**KN206018G2**, TPTE gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACAACAAGGAGACA  
**KN206018D**, 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**

AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC AGAAGTAAGT TGGCCGCAGT GTTATC

**CACGT**actagcatggagagcgacgagagcgggcctgcccgccatggagatcgagtgccgcatcaccggcaccctgaacggcgtggagttcgagctggtggcgggcg

TTTATTCTGG GAAGCCTGCG TGGCCATAGA GAGTGGTTTT TAACAGGATT TCCAATTCTT CTCCTAGTAG CTTTGTAGG TAACATTGCT TCCTTT

**GE100003**, scramble sequence in pCas-Guide vector

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**RefSeq:** [NM\\_001290224](#), [NM\\_013315](#), [NM\\_199259](#), [NM\\_199260](#), [NM\\_199261](#)

**UniProt ID:** [P56180](#)

**Synonyms:** CT44; PTEN2

**Summary:** This gene encodes a PTEN-related tyrosine phosphatase which may play a role in the signal transduction pathway



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Product images:

