

Product datasheet for **KN223614**

TEP1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	TEP1
Locus ID:	7011
Components:	KN223614G1 , TEP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCACCGGTTCTCCAAGGAG KN223614G2 , TEP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCTCCAAGGGCTGTAAAGTCA KN223614D , 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

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TGGTGAATAT TGACAACTTG ATTAAGTAC CTGTTTCTCT GGAGCTATGA ACCCACAGTC CAGATTATAT
TGCAGGGCCT CTCTACTAAG TAGGGATCAA ACTGATAGTC CTGCAGCGGG GGTCAGGGGG GTTGGGTCTC
CTTTACCTTC TTATGAGAAG GCATGTCCCT TCCTCTCCAG CCATTCCTTT TTGTTGTTTT TTTTTTTAAG
AAATATTTTT TATTTTTTAA AACTTTGTAG AGATGAGGTT TCACCGTGTT GCCCAGGCTT GCCTCAAACCT
CTTGGGCTCA AGGAATCCTC TTGCCTCAGC TCCCAAAGTG TTGGGATTAC AGGCATGAGC CACTGCACCT
GGCCTTTTCT TAATTTCTCT GCTCTTAAGC CTCTGCCTTA CCTTTTCCCT ATCCCTCTCT CTTAGAATAT
TCTCTGGATG AACCCAGTCC TGGGAAAAAC AACATTGGTT GTTTTCTACC CACAAATCAT TGGCATTATC
AGGAGGGCTG TGGGAAGAT ATGCTCTCAT GCAAATACAC GCTCAGTGCA GCCAGGTGCT CATCTCCTGT
CTTTCTCTCC TTCTAGGCAT ATACAAGCTG AGTTTCAGCC TATCTACCCA CTCAGATATC CTCTCCTTGA
AGAACCAGTG CCTAGCCACG CTTCTGACC TGAAGACCAT GGAAAAACCA CATGGATATG TGTCTGCCCA
CCCAGACATC CTCTCCTTGG AGAACCAGTG CCTGGCCACA CTTTCTGACC TGAAGACCAT GGAGAAACCA
CATGGACATG TTTCTGCCCA CCCAGACATC CTCTCCTTGG AGAACCAGTG CCTGGCCACC CTCTCTAGTC
TAAAGAGCAC TGTGTCTGCC AGCCCTTGT TCCAGAGTCT ACAGATATCT CACATGACGC AAGCTGATTT
GTACCGTGTG AACAAACAGCA ATTGCCTGCT CTCTGAGCCT CCAAGTTGGA GGGCTCAGCA TTTCTCTAAG
GGACTAGACC TTTCAACCTG CCCTATAGCC CTGAAATCCA TCTCTGCCAC AGAGACAGCT CAGGAAGCAA
CTTTGGTAAT AGCTCCAGGC ACTCATCTTG ACTCCAGCCA TGTCTGTTGT ATGCTCTTGT CTCTAGCTTT
CAGTGTCTCA GTTTCCTCT GTGCTGCTCT GTGCTGGCT ATCTTCTCTC CTCAGAGCCT CTCCTAAGGT
GCCTTTTGT
  
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GE100003, scramble sequence in pCas-Guide vector

RefSeq:	<u>NM_001319035</u> , <u>NM_007110</u>
UniProt ID:	<u>Q99973</u>



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Synonyms: p240; TLP1; TP1; TROVE1; VAULT2

Summary: This gene product is a component of the ribonucleoprotein complex responsible for telomerase activity which catalyzes the addition of new telomeres on the chromosome ends. The telomerase-associated proteins are conserved from ciliates to humans. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:

