

## Product datasheet for **KN214233**

### TPR 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:	TPR
Locus ID:	7175
Components:	<p><b>KN214233G1</b>, TPR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGCGGTGTTGCAGCAAGTCC</p> <p><b>KN214233G2</b>, TPR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTTTGTCTGGACAGACTT</p> <p><b>KN214233D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

#### 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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ATGCCCTCTA GTGGCTCAGT GTCCAGAAGC CGCCAACGAG GACGATCCAT GGCATCCCGG GGCTTTGACG
GTAAGGTCAC CAGCTCTTCA GGGAGGGCCA AGGGGTGACG AGTACGTATG TGGCGCCACC GTGCGGACAG
CGGTTACGGG GCCGAGATAG GAGAGCCAGG GGAGCGGGGA GAAAAACGGA AGCTGAGAGG GCGGTGCAGC
ATTGGGCTCC CGGAAAAGAA TGAGAAAAC ACTACATTTT CCAGAGCCCT ACAAGGCCTG AAGTGGGTGG
AGCTGGAAGC CGGAAAATTG GGTGCGCAAG AGGATCAGGG ATAGCCTCTG AGCTCGGTTT CCCAGGGTTC
GTAGCTTCCA ACGGCTGCGC GCGCACTTCG GTCGCGGGCG GTGAGGTGCT GTTGCTGAAA CGCTGCCGCT
GAGGGTGGAC TCGATTTCCC AGGGTCCC GC GCGGGAGTC TCCGGCGG GGGCGCGCGC GAGCCACCGA
GCGAGGTGAT AGAGGCGGCG GCCCAGGCGT CTGGGTCTG CTGGTCTTCG CCTTTCTTCT CCGCTTCTAC
CCCGTCGGCC GCTGCCACTG GGGTCCCTGG CCCCACCGAC GAAAAGTTCC TTGCTGATCA GCAATCCGAG
ATCGATGGCC TGAAGGGGCG GCATGAGAAA TTTAAGGTGG AGAGCGGTAA GTGAGATGCT CTTTCCGTCC
TTGGTTTTGG GCTCGACTCC CGCCCTTTGG GTCTGGTCTT CCCCATCAA GTTGGCACTG GGTACCGCTC
TGTTAACCTC ACTTCTGGG CTCTGTGGAT ATCCTGAGCC TTCGCTTTC TGCTCCTTAC AGTTTGATAA
GAAGCCTTTG AAAAAAAT CTGAATCTAA GTTCAGTAGC ATTTTCTTTG TAGTTAGGT AGGCTCATAA
AGGACGCTT ATTTTCTTC GTCCGGCAGA CGGAAACAG ACTTGATAGA GTCTGCGAAC CCATCTCTCT
AAGCCTAGAG TACCTTATAT GTTTTGTTGC ACTTCACTG ATAGTGCTC CGCCCTATT TCTAGGCACC
TGCATTCTAG GCCTTTGCCA AATTGACCAC TCTGTGCACT TGTTCTTAGT GTGTGCGTGC TCCCGTGGCT
CCAGAACGAA TCAGATGTTT ACAAAAATGA ATATTAGGTG CATAAGAGCG CTGGAACAC AGTGAATGTG
CAGTACATAA

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



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**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\\_003292](#)

**UniProt ID:** [P12270](#)

**Synonyms:** nuclear pore complex-associated protein TPR; nucleoprotein TPR; OTTHUMP00000033584; translocated promoter region (to activated MET oncogene); tumor potentiating region

**Summary:** This gene encodes a large coiled-coil protein that forms intranuclear filaments attached to the inner surface of nuclear pore complexes (NPCs). The protein directly interacts with several components of the NPC. It is required for the nuclear export of mRNAs and some proteins. Oncogenic fusions of the 5' end of this gene with several different kinase genes occur in some neoplasias. [provided by RefSeq, Jul 2008]

### Product images:

