

Product datasheet for **KN212982**

RICTOR 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:	RICTOR
Locus ID:	253260
Components:	<p>KN212982G1, RICTOR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGGGCTTACCTCGTACTCGG</p> <p>KN212982G2, RICTOR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCGGAGGTTCTCAGAGAG</p> <p>KN212982D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p> <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</p> <pre>GAGAAGCCCT CCTAGCCGAG AGGGGCATTC TGAAGATCAA GGGCGAGGCT GGAAAACAAA CTTTGTTACG TGTTAACTTA GTTGGAGCAA AGCGATTCCA GGAAAGGAGT CTAAAAGTGT GCGCAGCGTT TTTATAAAAA AATGTTTCAG TGGATACACG GGGGAGCGGG GCCGTCTATG GCAGGGCTTC AGAGCAAGCA GGAGACTGGC AGGCCGGCGA GAGCAGGTGG CCCGCCGGCC GCATCCCGGC CTCCTCCTCC CCGCTCGCTC GCATTTGGAC GACGGCTTCC GCGGCGGCCG GAGGGGAGCA TCCTCTACAC TGCCAATCG CATCAATGGG ACTTTCTCTCG TGGAAGCTGC CCCTCCCGC GGACGTGCC TCCGGGTCCG GCGTGGGCGG GCGGGTGCCG CGAACTCCTT GCAGACCTTG GGTCCGGTCA GTGCTCCCTC AGCGCTGGGG CCGAGCCTGC ACCACCCGCC GCCGTGCCCG CCGAGGGGGC GGGGAGGTG CCGCGGGGGG CGGGCGCGGC GCGCGGGGAG GGAAGGGGT TCTCGCGCGA TTGGGCGAGG TTTCCGGTGT TGTGACTGAA ACCCGTCAAT CGCCCGGCGC CCGCCACCCC TGGCACTTGC CTTCCCCTGG CCCTGGGTTG GGGAGCGAGC CGGGGCGCTG GCCGGAGCCA GGGCAGCCGC AGCTGGCCTG CGAGCCAATC CTAATTGGGG CTGTGTGTCT GTTTCGCGCA GGGCGGAATG ACAGCGCGCA GGAGAACGTC CCGCTGGATC TGACCCGAGG TAACGCGGGG CGCCGCGGGC GCCGCGAGGG CCGCTGCTG GGGAGGAGCC GGTCCGGGG CTGGGGGCA GAGGCAGGGG CGGGCCCGC ACGGGACCGG CGGGGTGCGG GGGCCAGAGC CGGAGCCCG CCTGCCGCC CGCGGAACC GAGCCCGGG CCGCCTCGCC GGACCATCC CCCTACCCAG CGCCCGCTTC CCTCGCCCGA GCCCTTCTCC GGGCCTCGGG CTGCTGCGGG TCGGGGGAG CCCCGAGTGG AACTCGGCAG ACCCGGCGAC CCTCTGGGCT CGAGCTCCGG CAGAGTGGTT TGCACCTATC CCGGAGTCCG GCAGCCCAAG CTAGGGGAG CTGGAGGGAG GTAGAGGCTG TTATTTAGGT TGCAGGAGGA TGTTTGAGGG AAGAGCGACC</pre> <p>GE100003, scramble sequence in pCas-Guide vector</p>



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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_001285439](#), [NM_001285440](#), [NM_152756](#)

UniProt ID: [Q6R327](#)

Synonyms: AVO3; hAVO3; PIA

Summary: RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbasov et al., 2004 [PubMed 15268862]).[supplied by OMIM, Mar 2008]

Product images:

