

## Product datasheet for **KN203676**

### FKBP10 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:	FKBP10
Locus ID:	60681
Components:	<p><b>KN203676G1</b>, FKBP10 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TACTGGTGGTGCAGGCCGTG</p> <p><b>KN203676G2</b>, FKBP10 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTACTGGTGGTGCAGGCCG</p> <p><b>KN203676D</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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ACAAAGTCCT TCTTTCAGTC CAGCTTTTGC GGGACCAAGC TGCTCTTCCC TGGAGATGCC TTCCCTTGGA
GTACAGCTGG GGTACGGAT GAGCACGGAG ATGCCTCTCA CACTCCGCGG CTTACCACC CACCTGGAGG
GGACTAGAAT TCGAAGTGCC CGCGAAAGAA GCAAGTTCA TCTCCGCCG GCTTTAGGAC CCGGGGGCTC
CGGAAAAAGT CATTGAACTT TTTTTTTTTT TTTTCCTTTG GTGTCCACTC AGAGTTCTCA TCTTCCCGA
GCCTCTCTCC CTGGCCAGGC CCCAGGTCTC GCAGCCAGGG ATGGAGATGG GGGGAGGGGG AACCTAGAGT
TCTTTGTAGT GCCTCCCTCA GACTCTAACA CACTCAGCCT GGCCCCCTCC TCCTATTGCA ACCCCCTCCC
CCGCTCCTCC CGGCCAGGCC AGCTCAGTCT TCCCAGCCCC CATTCCACGT GGACCAGCCA GGGCGGGGGT
AGGGAAAGAG GACAGGAAGA GGGGGAGCCA GTTCTGGGAG GCGGGGGGAA GGAGGTTGGT GGCGACTCCC
TCGCTCGCCC TCACTGCCCG CGGTCCAAC TCCAGGCACC CGAGAGGTAC CACATCCCCA GGGCCTGTCC
CCGGGAAGTG CAGATGGGGG ATTTTGTGCG CTACCACTAC AACGGCACTT TTGAAGATGG CAAGAAGTTT
GATTCAAGGT AACCCCGGTT GGGCGCCCC GGATTACCA CTCCGTCCCC TGAACCCGGG GTCCTGTTTC
CTTGTTGCTT CTTTAAAGCT CTGCATCCA ATACTCTAAC CCTAGACAGC ACCCCTGGGG CCTCCAGAC
ACCCATCTCC CCAAAGATAC CCTCCTGCC CCACTTCAA ACCCTCACTT CTCAAAGGAT CCCATTCTT
TCTCAAAGC TCTCCACATC CCGGAAAGGA CTCGATAATC AAGGTGAACT GCCTTGTGTA GTTACCAGGG
CTGTATGTAA TGACCTGATG GAGAGGGGTG TTCTGATCTA CAGTGTGGG GGAAGGGGG TGGTCCCTGC
TGTTAAGAA CCCTGGGATG GTCTATCAGC CTGGACCCCG TACCTTTCCA CCCACCTGA CTCCCCTTCT
GGTTCCACTG TTTTCAGTGC CTTTGTGGTC AGAGAAGAGG GAATAGAACT TTTTTTTGGA GGGGGTGGGA
GTTTTTCAGCG

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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\\_021939](#)

**UniProt ID:** [Q96AY3](#)

**Synonyms:** BRKS1; FKBP65; hFKBP65; OI6; OI11; PPIASE

**Summary:** The protein encoded by this gene belongs to the FKBP-type peptidyl-prolyl cis/trans isomerase (PPIase) family. This protein localizes to the endoplasmic reticulum and acts as a molecular chaperone. Alternatively spliced variants encoding different isoforms have been reported, but their biological validity has not been determined.[provided by RefSeq, Nov 2009]

### Product images:

