OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for KN220864

p73 (TP73) 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: p73

Locus ID: 7161

Components: **KN220864G1**, p73 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCAAACGTGGTGCCCCCATC
KN220864G2, p73 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GAGCTCTCTGTGAGTGCGCT
KN220864D, 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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TGGGGGATCA TGTAACTCGC CTT

GE100003, scramble sequence in pCas-Guide vector

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.

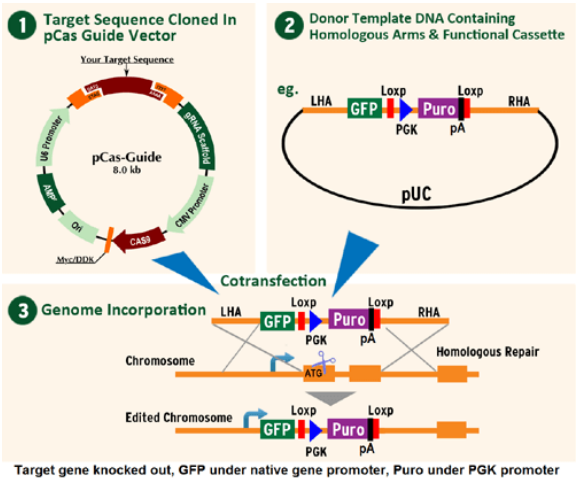
RefSeq: NM_001126240, NM_001126241, NM_001126242, NM_001204184, NM_001204185, NM_001204186, NM_001204187, NM_001204188, NM_001204189, NM_001204190, NM_001204191, NM_001204192, NM_005427

UniProt ID: O15350

Synonyms: P73

Summary: This gene encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed (likely from the maternal allele), supports the notion that it is a candidate gene for neuroblastoma. Many transcript variants resulting from alternative splicing and/or use of alternate promoters have been found for this gene, but the biological validity and the full-length nature of some variants have not been determined. [provided by RefSeq, Feb 2011]

Product images:



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter