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 KN210544LP

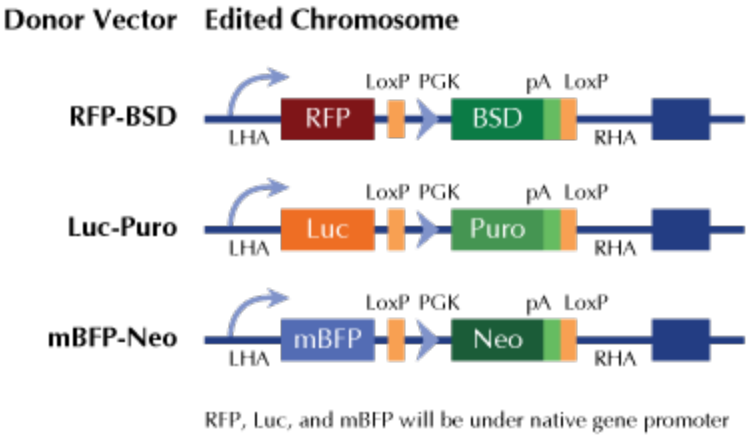
PI 3 Kinase p85 alpha (PIK3R1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	PI 3 Kinase p85 alpha
Locus ID:	5295
Components:	**KN210544G1**, PI 3 Kinase p85 alpha gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN210544G2**, PI 3 Kinase p85 alpha gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN210544LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **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_001242466, NM_181504, NM_181523, NM_181524
UniProt ID:	P27986
Synonyms:	AGM7; GRB1; IMD36; p85; p85-ALPHA
Summary:	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

View online »

Product images:



RFP, Luc, and mBFP will be under native gene promoter