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Product datasheet for KN202667LP

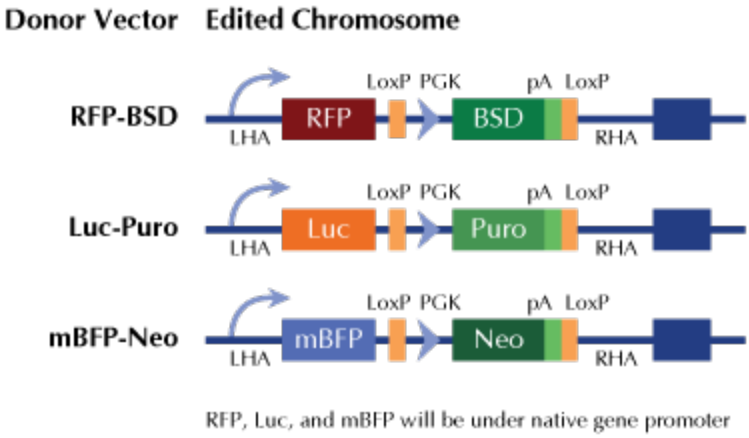
Kallikrein 2 (KLK2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	Kallikrein 2
Locus ID:	3817
Components:	**KN202667G1**, Kallikrein 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN202667G2**, Kallikrein 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN202667LPD**, 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_001002231, NM_001002232, NM_001256080, NM_005551, NR_045762, NR_045763
UniProt ID:	P20151
Synonyms:	hGK-1; hK2; KLK2A2
Summary:	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Jan 2012]

View online »

Product images:



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