

Product datasheet for **KN202667RB**

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

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD

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)
KN202667RBD, donor DNA containing left and right homologous arms and RFP-BSD 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 granular 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]



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Product images:

