

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:	<p>KN202667G1, Kallikrein 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN202667G2, Kallikrein 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN202667RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_001002231 , NM_001002232 , NM_001256080 , NM_005551 , NR_045762 , NR_045763
UniProt ID:	P20151
Synonyms:	hGK-1; hK2; KLK2A2
Summary:	<p>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]</p>



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Product images:

