

Product datasheet for **KN201958BN**

KRAS Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	KRAS
Locus ID:	3845
Components:	KN201958G1 , KRAS gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN201958G2 , KRAS gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN201958BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	<u>NM_004985</u> , <u>NM_033360</u> , <u>NM_001369786</u> , <u>NM_001369787</u>
UniProt ID:	<u>P01116</u>
Synonyms:	C-K-RAS; c-Ki-ras2; CFC2; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; KI-RAS; KRAS1; KRAS2; NS; NS3; RALD
Summary:	This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region. [provided by RefSeq, Jul 2008]



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Product images:

