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Product datasheet for KN209840BN

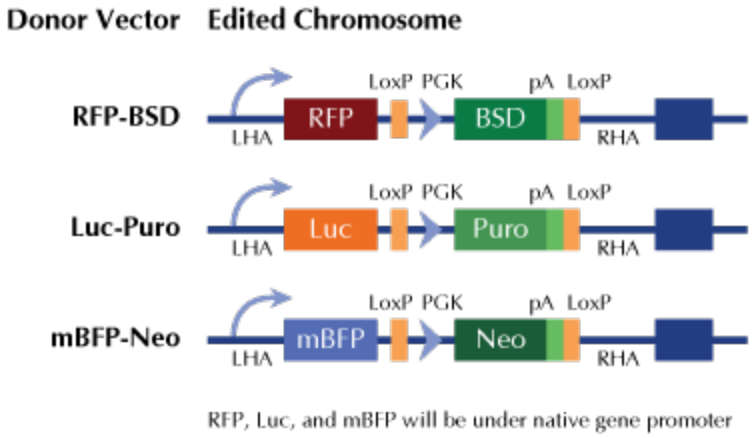
p57 Kip2 (CDKN1C) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	p57 Kip2
Locus ID:	1028
Components:	**KN209840G1**, p57 Kip2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN209840G2**, p57 Kip2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN209840BND**, donor DNA containing left and right homologous arms and mBFP-Neo 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_000076, NM_001122630, NM_001122631, NM_001362474, NM_001362475
UniProt ID:	P49918
Synonyms:	BWCR; BWS; KIP2; p57; p57Kip2; WBS
Summary:	This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]

View online »

Product images:



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