

Product datasheet for KN209840BN

OriGene Technologies, Inc.

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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 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

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.

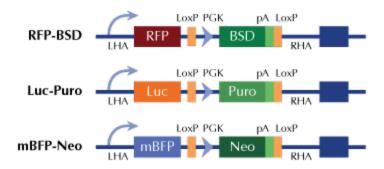
[provided by RefSeq, Oct 2010]





Product images:

Donor Vector Edited Chromosome



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