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Product datasheet for KN318498BN

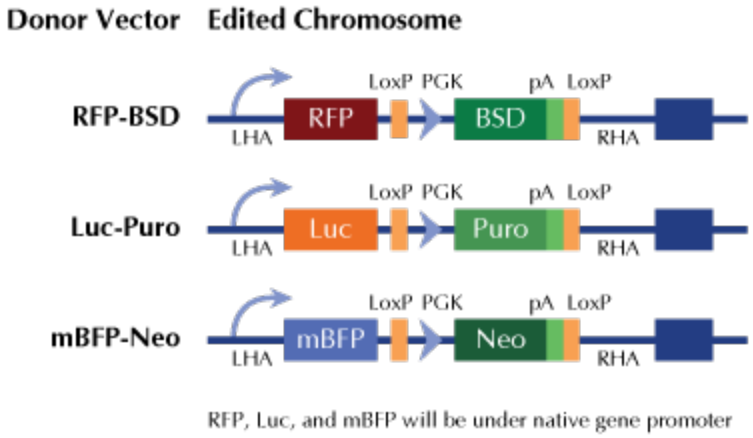
Twist1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Twist1
Locus ID:	22160
Components:	**KN318498G1**, Twist1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN318498G2**, Twist1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN318498BND**, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
RefSeq:	NM_011658
UniProt ID:	P26687
Synonyms:	bHLHa38; M-Twist; Pde; pdt; Ska10; Ska; Twist
Summary:	Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. This gene encodes a bHLH transcription factor that is evolutionarily conserved from invertebrates to humans, and was originally identified in Drosophila as an essential gene involved in early mesoderm development and dorsal-ventral patterning in the embryo. This protein plays a role in cancer by regulating the epithelial-mesenchymal transition (EMT), a process that is critical for metastasis initiation, and promoting tumor progression. Mutations in the human gene are associated with Saethre-Chotzen syndrome (SCS). Mice with heterozygous mutations in this gene exhibit cranofacial and structural defects similar to those seen in human SCS patients. [provided by RefSeq, Sep 2015]

View online »

Product images:



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