

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

KN318498G1, Twist1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

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

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.

NM 011658 RefSeq:

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 epithelialmesenchymal 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

20151



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

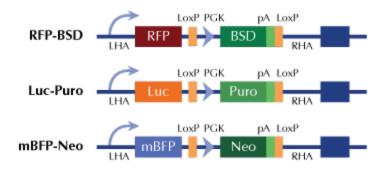
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:

Donor Vector Edited Chromosome



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