

Product datasheet for KN200421BN

SATB1 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: SATB1 Locus ID: 6304

KN200421G1, SATB1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN200421G2, SATB1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200421BND, 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 001131010, NM 001195470, NM 002971, NM 001322871, NM 001322872,

NM 001322873, NM 001322874, NM 001322875, NM 001322876

UniProt ID: Q01826

DNA-binding protein SATB1; SATB homeobox 1; special AT-rich sequence binding protein 1; Synonyms:

special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating

DNA's)

Summary: This gene encodes a matrix protein which binds nuclear matrix and scaffold-associating

> DNAs through a unique nuclear architecture. The protein recruits chromatin-remodeling factors in order to regulate chromatin structure and gene expression. [provided by RefSeq,

Apr 2016]



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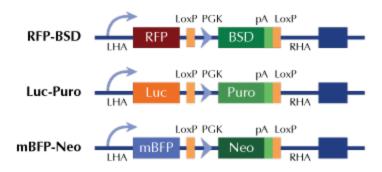
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Product images:

Donor Vector Edited Chromosome



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