

Product datasheet for **KN200421LP**

SATB1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	SATB1
Locus ID:	6304
Components:	KN200421G1 , SATB1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN200421G2 , SATB1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN200421LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.

Homologous arm and Luciferase-Puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **Luciferase-Puro in green**; **Right arm in violet**

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TCGCCAGTTA ATAGTTTGGC CAACGTTGTT GCCATTGCTA CAGGCATCGT GGTGTCACG TCGTCGTTG
GTATGGCTT ATTACAGTCC GGTCCCAAC GATC

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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](#)

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

Product images:

