

Product datasheet for KN210359BN

OriGene Technologies, Inc.

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Serine racemase (SRR) 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: Serine racemase

Locus ID: 63826

Components: KN210359G1, Serine racemase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN210359G2, Serine racemase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN210359BND**, 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: <u>NM 001304803</u>, <u>NM 021947</u>

UniProt ID: Q9GZT4
Synonyms: ILV1; ISO1

Summary: Catalyzes the synthesis of D-serine from L-serine. D-serine is a key coagonist with glutamate

at NMDA receptors. Has dehydratase activity towards both L-serine and D-serine.

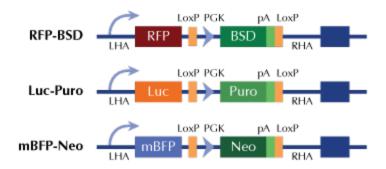
[UniProtKB/Swiss-Prot Function]





Product images:

Donor Vector Edited Chromosome



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