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Product datasheet for KN211819RB

iNOS (NOS2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	iNOS
Locus ID:	4843
Components:	**KN211819G1**, iNOS gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN211819G2**, iNOS gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN211819RBD**, donor DNA containing left and right homologous arms and RFP-BSD 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_000625, NM_153292
UniProt ID:	P35228
Synonyms:	HEP-NOS; INOS; NOS; NOS2A
Summary:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

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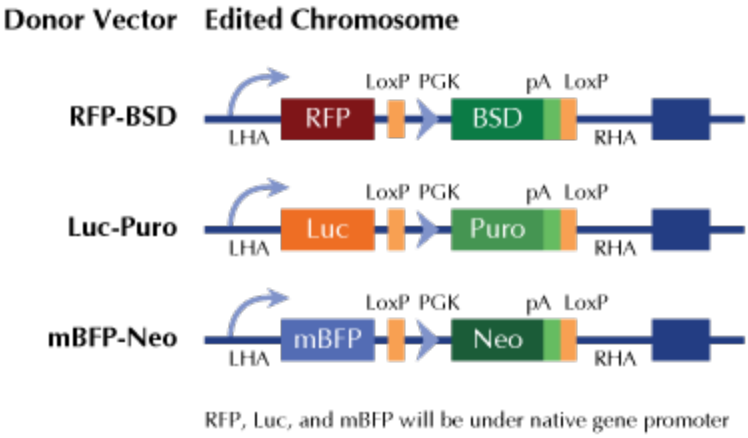
Product images:



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