

Product datasheet for KN211819BN

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iNOS (NOS2) 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: 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)

KN211819BND, 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.

RefSeg: 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

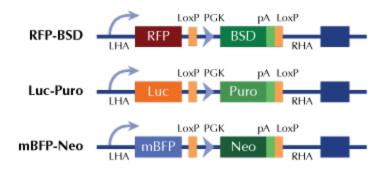
lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the

Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]



Product images:

Donor Vector Edited Chromosome



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