

Product datasheet for KN211819LP

OriGene Technologies, Inc.

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iNOS (NOS2) 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: 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)

KN211819LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 000625</u>, <u>NM 153292</u>

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,

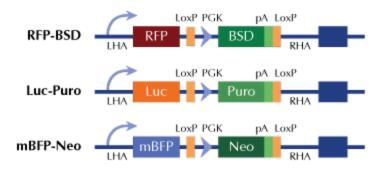
including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the

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