

Product datasheet for KN224884RB

OriGene Technologies, Inc.

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Nav1.7 (SCN9A) 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: Nav1.7 Locus ID: 6335

Components: KN224884G1, Nav1.7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN224884G2, Nav1.7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN224884RBD, 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: <u>NM 002977</u>, <u>NM 001365536</u>

UniProt ID: Q15858

Synonyms: ETHA; FEB3B; GEFSP7; HSAN2D; Nav1.7; NE-NA; NENA; PN1; SFNP

Summary: This gene encodes a voltage-gated sodium channel which plays a significant role in

nociception signaling. Mutations in this gene have been associated with primary

erythermalgia, channelopathy-associated insensitivity to pain, and paroxysmal extreme pain

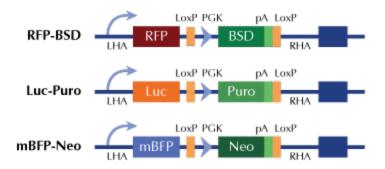
disorder. [provided by RefSeq, Aug 2009]





Product images:

Donor Vector Edited Chromosome



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