

## **Product datasheet for KN212694LP**

#### OriGene Technologies, Inc.

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### **Nesprin 1 (SYNE1) 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: Nesprin 1 Locus ID: 23345

**Components: KN212694G1**, Nesprin 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN212694G2, Nesprin 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN212694LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 015293, NM 033071, NM 133650, NM 182961, NM 001347701, NM 001347702

UniProt ID: Q8NF91

Synonyms: 8B; ARCA1; C6orf98; CPG2; dJ45H2.2; DKFZp781J13156; EDMD4; FLJ30878; FLJ41140; KIAA0796

**Summary:** This gene encodes a spectrin repeat containing protein expressed in skeletal and smooth

muscle, and peripheral blood lymphocytes, that localizes to the nuclear membrane.

Mutations in this gene have been associated with autosomal recessive spinocerebellar ataxia 8, also referred to as autosomal recessive cerebellar ataxia type 1 or recessive ataxia of Beauce. Alternatively spliced transcript variants encoding different isoforms have been

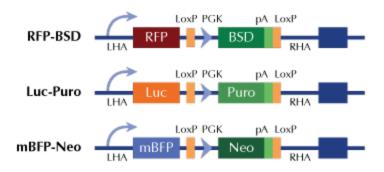
described. [provided by RefSeq, Jul 2008]





# **Product images:**

### Donor Vector Edited Chromosome



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