

## **Product datasheet for KN213318LP**

#### OriGene Technologies, Inc.

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### NY-ESO-1 (CTAG1B) 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: NY-ESO-1

**Locus ID:** 1485

**Components:** KN213318G1, NY-ESO-1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN213318G2, NY-ESO-1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN213318LPD, 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: <u>NM 001327</u>

UniProt ID: P78358

Synonyms: CT6.1; CTAG; CTAG1; ESO1; LAGE-2; LAGE2B; NY-ESO-1

**Summary:** The protein encoded by this gene is an antigen that is overexpressed in many cancers but

that is also expressed in normal testis. This gene is found in a duplicated region of the X-chromosome and therefore has a neighboring gene of identical sequence. [provided by

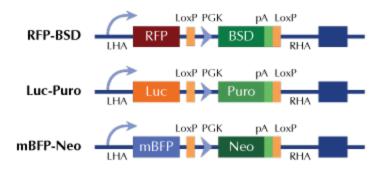
RefSeq, Jan 2012]





# **Product images:**

### Donor Vector Edited Chromosome



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