

# Product datasheet for KN210639LP

## TDP43 (TARDBP) 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:	TDP43
Locus ID:	23435
Components:	<ul> <li>KN210639G1, TDP43 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN210639G2, TDP43 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN210639LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>
RefSeq:	<u>NM 007375</u>
UniProt ID:	<u>Q13148</u>
Synonyms:	ALS10; TDP-43
Summary:	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20. [provided by RefSeq, Jul 2008]

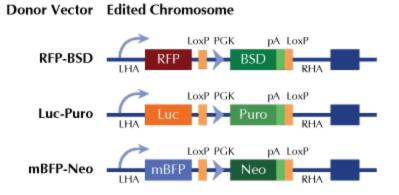


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#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

#### **Product images:**



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

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