

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:	<p>KN210639G1, TDP43 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210639G2, TDP43 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN210639LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_007375
UniProt ID:	Q13148
Synonyms:	ALS10; TDP-43
Summary:	<p>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]</p>



[View online »](#)

Product images:

