

Product datasheet for KN213800LP

OriGene Technologies, Inc.

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TARBP1 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: TARBP1 Locus ID: 6894

Components: KN213800G1, TARBP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN213800G2, TARBP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN213800LPD, 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 005646</u>

UniProt ID:

Synonyms: TRM3; TRP-185; TRP185

Q13395

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. This element forms a stable stem-loop structure and can be bound by either the protein encoded by this gene or by RNA polymerase II. This protein may act to disengage RNA polymerase II from TAR during transcriptional elongation. Alternatively spliced transcripts of this gene may exist, but

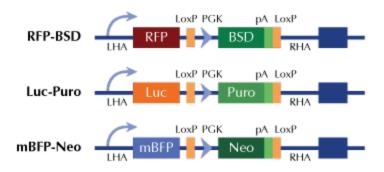
their full-length natures have not been determined. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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