

Product datasheet for KN208599LP

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

Oct-1 (POU2F1) 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: Oct-1 Locus ID: 5451

Components: KN208599G1, Oct-1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208599G2, Oct-1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208599LPD, 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 001198783, NM 001198786, NM 002697, NR 037163, NM 001365848, NM 001365849

UniProt ID: <u>P14859</u>

Synonyms: oct-1B; OCT1; OTF1

Summary: The OCT1 transcription factor was among the first identified members of the POU

transcription factor family (summarized by Sturm et al., 1993 [PubMed 8314572]). Members of this family contain the POU domain, a 160-amino acid region necessary for DNA binding to

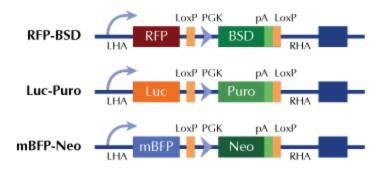
the octameric sequence ATGCAAAT.[supplied by OMIM, Jul 2010]





Product images:

Donor Vector Edited Chromosome



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