

Product datasheet for KN207198LP

OriGene Technologies, Inc.

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YY1 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: YY1 Locus ID: 7528

Components: KN207198G1, YY1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207198G2, YY1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207198LPD, 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 003403</u>

UniProt ID: P25490

Synonyms: DELTA; INO80S; NF-E1; UCRBP; YIN-YANG-1

Summary: YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc

finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a

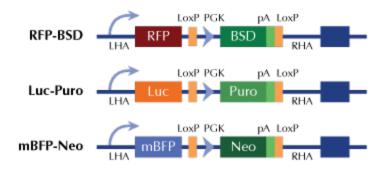
promoter in order to activate or repress the promoter, thus implicating histone modification

in the function of YY1. [provided by RefSeq, Jul 2008]



Product images:

Donor Vector Edited Chromosome



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