

Product datasheet for KN208769LP

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DDX1 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: DDX1 Locus ID: 1653

Components: KN208769G1, DDX1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208769G2, DDX1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208769LPD, 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 004939</u>

UniProt ID: Q92499

Synonyms: DBP-RB; UKVH5d

Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are

putative RNA helicases. They are implicated in a number of cellular processes involving

alteration of RNA secondary structure such as translation initiation, nuclear and

mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution

patterns, some members of this family are believed to be involved in embryogenesis,

spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein of

unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in

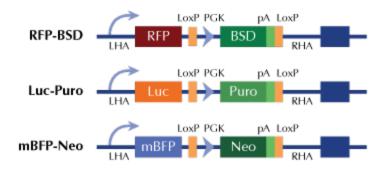
tissues of neuroectodermal origin. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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