

## Product datasheet for **KN200082LP**

### Ribonuclease Inhibitor (RNH1) 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:	Ribonuclease Inhibitor
Locus ID:	6050
Components:	<b>KN200082G1</b> , Ribonuclease Inhibitor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200082G2</b> , Ribonuclease Inhibitor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200082LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_002939</a> , <a href="#">NM_203383</a> , <a href="#">NM_203384</a> , <a href="#">NM_203385</a> , <a href="#">NM_203386</a> , <a href="#">NM_203387</a> , <a href="#">NM_203388</a> , <a href="#">NM_203389</a>
UniProt ID:	<a href="#">P13489</a>
Synonyms:	RAI; RNH
Summary:	Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular RNases (summarized by Lee et al., 1988 [PubMed 3219362]). In addition to control of intracellular RNases, the inhibitor may have a role in the regulation of angiogenin (MIM 105850). Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a latent form. Since neutral and alkaline ribonucleases probably play a critical role in the turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the interaction of eukaryotic cells with ribonuclease may be reversible in vivo.[supplied by OMIM, Jul 2010]



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Product images:

