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## Product datasheet for KN200082RB

## Ribonuclease Inhibitor (RNH1) Human Gene Knockout Kit (CRISPR)

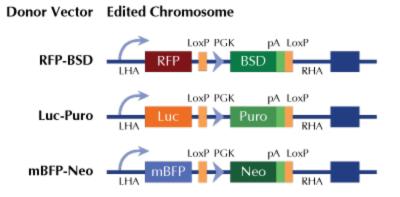
## **Product data:**

| Product Type: | Knockout Kits (CRISPR)  |
|---------------|---|
| Format:       | 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control   |
| Donor DNA:    | RFP-BSD   |
| Symbol:       | Ribonuclease Inhibitor  |
| Locus ID:     | 6050  |
| Components:   | <ul> <li>KN200082G1, Ribonuclease Inhibitor gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN200082G2, Ribonuclease Inhibitor gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</li> <li>KN200082RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</li> <li>GE100003, scramble sequence in pCas-Guide vector</li> </ul>   |
| RefSeq:       | <u>NM 002939, NM 203383, NM 203384, NM 203385, NM 203386, NM 203387, NM 203388, NM 203388</u> , <u>NM 203389</u>  |
| UniProt ID:   | <u>P13489</u>   |
| Synonyms:     | RAI; RNH  |
| Summary:      | Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic<br>RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular<br>RNases (summarized by Lee et al., 1988 [PubMed 3219362]). In addition to control of<br>intracellular RNases, the inhibitor may have a role in the regulation of angiogenin (MIM<br>105850). Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a<br>latent form. Since neutral and alkaline ribonucleases probably play a critical role in the<br>turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the<br>interaction of eukaryotic cells with ribonuclease may be reversible in vivo.[supplied by OMIM,<br>Jul 2010] |



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## **Product images:**



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

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