

## Product datasheet for **KN207220BN**

### PARN Human Gene Knockout Kit (CRISPR)

#### Product data:

|               |   |
|---------------|---|
| Product Type: | Knockout Kits (CRISPR)  |
| Format:       | 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control  |
| Donor DNA:    | mBFP-Neo  |
| Symbol:       | PARN  |
| Locus ID:     | 5073  |
| Components:   | <b>KN207220G1</b> , PARN gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN207220G2</b> , PARN gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN207220BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.<br><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_001134477</a> , <a href="#">NM_001242992</a> , <a href="#">NM_002582</a>   |
| UniProt ID:   | <a href="#">O95453</a>  |
| Synonyms:     | DAN; DKCB6; PFBMFT4   |
| Summary:      | The protein encoded by this gene is a 3'-exoribonuclease, with similarity to the RNase D family of 3'-exonucleases. It prefers poly(A) as the substrate, hence, efficiently degrades poly(A) tails of mRNAs. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008] |



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## Product images:

