

## Product datasheet for **KN203307LP**

### Cyclophilin A (PPIA) 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:       | Cyclophilin A   |
| Locus ID:     | 5478  |
| Components:   | <b>KN203307G1</b> , Cyclophilin A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN203307G2</b> , Cyclophilin A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN203307LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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:** [NM\\_001300981](#), [NM\\_021130](#), [NM\\_203430](#), [NM\\_203431](#)

**UniProt ID:** [P62937](#)

**Synonyms:** CYPA; CYPH; HEL-S-69p

**Summary:** This gene encodes a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. The encoded protein is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein can also interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions. Multiple pseudogenes that map to different chromosomes have been reported. [provided by RefSeq, Jul 2008]



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## Product images:

