

## Product datasheet for KN203321LP

#### OriGene Technologies, Inc.

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## Fc epsilon RI (FCER1A) 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: Fc epsilon RI

Locus ID: 2205

**Components: KN203321G1**, Fc epsilon RI gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN203321G2**, Fc epsilon RI gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN203321LPD, 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 002001</u>

UniProt ID: <u>P12319</u>

Synonyms: FCE1A; FcERI

**Summary:** The immunoglobulin epsilon receptor (IgE receptor) is the initiator of the allergic response.

When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. The protein encoded by this gene represents the alpha subunit. [provided by

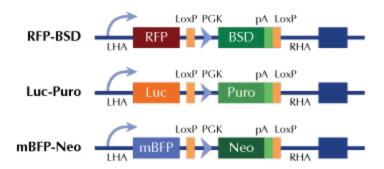
RefSeq, Aug 2011]





# **Product images:**

### Donor Vector Edited Chromosome



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